Administration Report

of the

FOREST DEPARTMENT

MADRAS PRESIDENCY

27-1928

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DEVELOPMENT DEPARTMENT

G.O. No. 494, 20th March 1929

Forest Administration Report, 1927-28.

Order—No. 494, Development, dated 20th March 1929.

Recorded.

2. After the formation of the Engineering Branch, the most outstanding activities of the department are those connected with the Logging Engineer's division, the Utilization division and the Saw Mills and Extraction division. During the year under review the activities of the Forest Engineering Branch were concentrated in collecting reliable data which is an essential preliminary to the formulation of future plans for development. The Government note with interest the various experiments conducted with a view to ascertain the potentialities of the forests as well as the best methods in harvesting the yield and in replacing a mature crop by an equally good or better young one. They fully realize the importance of such experiments, as the future method of working the forests depends to a large measure on the results of these experiments. They hope that the department will be able to prove before long the value of adopting modern methods of scientific exploitation by showing better profits in the various schemes inaugurated by the Engineering Branch.

3. The Logging Engineer's division has increased its activities during the year. The headquarters of this division were transferred to Ootacamund and this has facilitated the co-operation between it and the Working Plan division. Collection of data by means of mapping and enumeration was undertaken in the forests of South Kanara, Nilambur, Palghat and South Coimbatore divisions resulting in intensive mapping and cruising of 15,470 acres of remote forests as against 11,200 acres during 1926-27. Good progress is also reported to have been made in mapping and enumeration of the New Amarampalam forests. The early completion of this project, it is hoped, will provide in the immediate future a profitable scheme for commercial exploitation of timber.

4. The Forest Utilization Officer continued to organize, co-ordinate and conduct sales in the various centres. The value of the sales effected by this officer amounted to Rs. 12·23 lakhs as against Rs. 9·25 lakhs in the previous year. An important feature of the activities of the Utilization division is that it makes arrangements and undertakes responsibility for the prompt delivery of sleepers to the railways and thus enables the department to exploit this very important market for forest produce without middlemen who have proved themselves to be very unsatisfactory in the past. The Deputy Forest Utilization Officer has been deputed to study lac cultivation in Bihar and Orissa where it has been successfully established. On his return, it is hoped that operations for the propagation of lac on a considerable scale will be started.

5. The Saw Mills and Extraction division continued to function in co-ordination with the operations of the commercial concerns of the department. The exploitation operations of the Chenat Nair, Mount Stuart and Nilambur Valley forests resulted in better financial results during the year though the former two concerns continued to show loss. The question of improving the financial prospects of these concerns is engaging the attention of the Government.

6. The Russellkonda Saw Mill has shown a distinct improvement in its financial results during the year. The result of this year's working was a net profit of Rs. 26,174 as against a profit of Rs. 8,389 in the previous year. Owing to the difficulties felt in supplying the mill with the required quantity of sound timber on an economic basis the mill had to be closed down with effect from July 1928. It is gratifying to note that the establishment of this mill has achieved the very important object of improving the Gumsur forests by replacing the old degraded stock by a new healthy crop.

7. The work of regeneration has received considerable attention during this period. Several experiments were undertaken in this direction and the results attained though encouraging, indicate considerable scope for more useful work. The Government trust that the officers concerned will do their best so that a satisfactory solution of the main sylvicultural problems of this Presidency is arrived at in the near future.

8. An interesting feature of this year's administration report is that the Conservators' reports contained in Volume II give at a glance the main operations and results in each forest district. It is interesting to note that these reports indicate that the activities in the various forest districts are marked with satisfactory progress financially and otherwise.

9. The total revenue during the year under report amounted to Rs. 51·28 lakhs while the expenditure was Rs. 49·12 lakhs. The result was a surplus of Rs. 2·16 lakhs against Rs. 4·72 lakhs in the previous year. The decrease of Rs. 2·56 lakhs in the net profit this year is mainly due to the dullness of the timber market.

10. The transfer of the ryots' forests for panchayat management is almost completed and the trained staff of the department who were hitherto engaged on the management of these forests have become available for the intensive working of the more valuable forests. The department is thus faced with the question of formulating a comprehensive programme and policy for future development of these valuable forests. Action in this direction has already been undertaken and the Government are awaiting the Chief Conservator's report on the various points connected with the question.

(By order of the Governor in Council)

A. McG. C. TAMPOE,
Secretary to Government.

To the Chief Conservator of Forests.
,, Accountant-General.
,, Secretary to the Government of India, Department of Education, Health and Lands (with C.L.).
,, Inspector-General of Forests (with C.L.).
,, Board of Revenue (Land Revenue and Settlement).
Editors' Table.

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Proceedings of the Chief Conservator of Forests

Procgs. No. 399, Press, 29th October 1928

Administration Report—Forest Department—1927-28.

A. Wimbush, Esq., I.F.S.,
Acting Chief Conservator of Forests.

Proceedings—No. 399, Press, dated 29th October 1928.

I have the honour to submit the progress report of Forest Administration in the Presidency for the year ending 31st March 1928 with the following review.

I.—INTRODUCTION.

The year 1927-28 was one of steady but unspectacular progress. A main feature of the administration was the determination to concentrate on the collection of reliable data, which is such an essential preliminary to the formulation of plans for development. It is not only necessary to know, with some degree of accuracy, what the forest contains but also to know how the legitimate yield can be harvested most profitably and last but not least, how best to replace a mature crop by an equally good or better young one. In order to gain the above knowledge an experiment on a considerable scale was started in the evergreen forests of the Silent Valley. After an enumeration certain mature and overmature trees were marked for felling according to the Selection method. Towards the close of the year, felling and hand sawing of the trees was begun, *Mesua ferrea* being made into sleepers and other species, mostly, *Dichopsis* and *Calophyllum* into kolmarams. The sawn material has been dragged and carried by coolies to the foot of the hills whence carting to the railway is possible. During 1928, the gaps caused in the canopy by the removal of mature trees have been sown up with *Acrocarpus* and *Artocarpus hirsuta*.

2. The enumeration gave essential details on which to base the experiment and the exploitation is resulting in a very material financial profit. It is too early to estimate the degree of success on the sylvicultural side of the experiment but it is known that much of the sown seed has germinated. The whole area has been handed over to the Forest Research Officer for observation and further experimenting on sylvicultural lines.

3. A very similar experiment was started during the year in the Tinnevelly evergreen forests.

4. The initiation of these experiments was perhaps the most important feature of the year's work since upon their success or failure may depend the future method of working the evergreen forests.

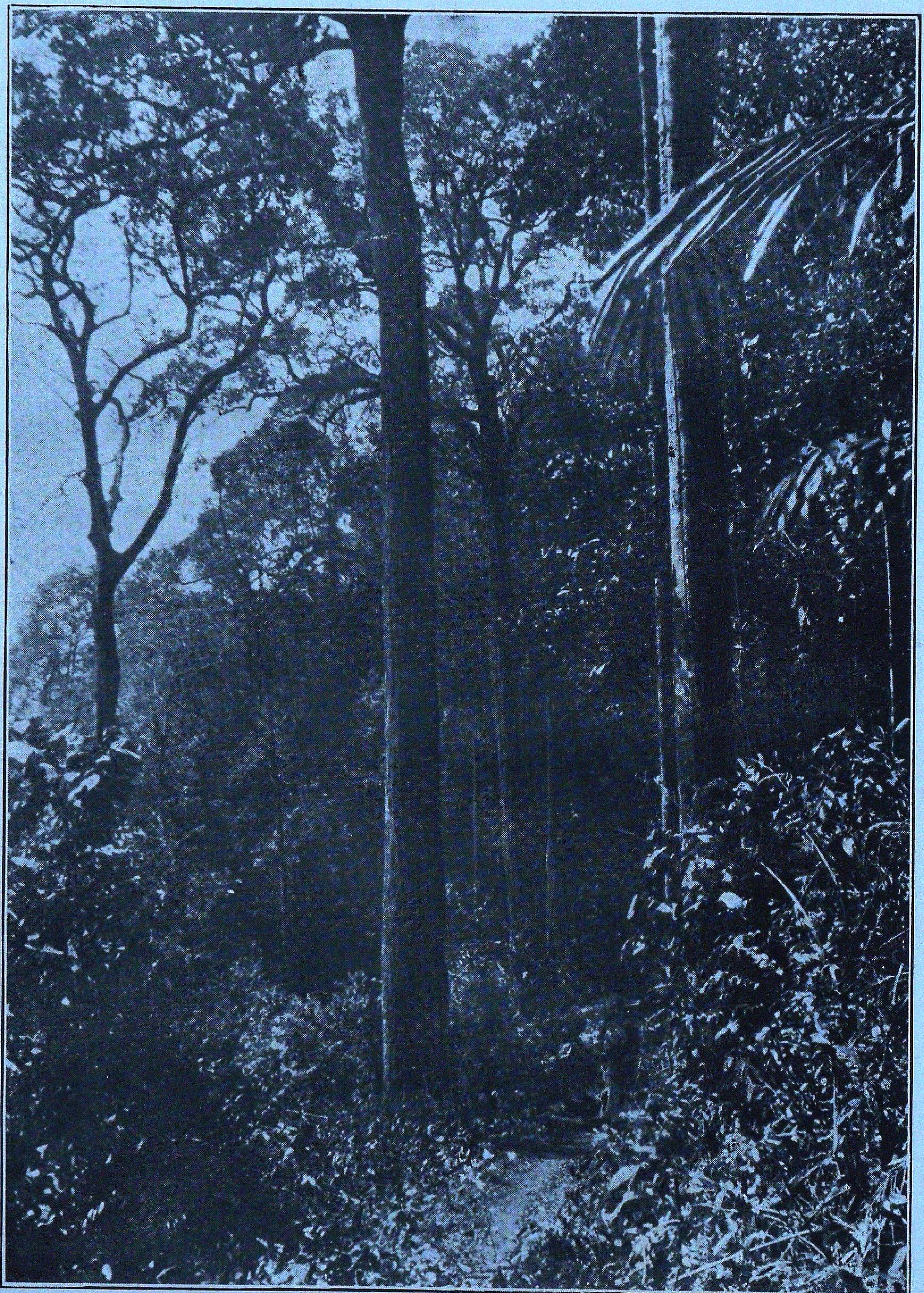
5. Progress was made in the handing over of ryots' forests to panchayat management and it is anticipated that the transfer of all these forests will soon be completed.

6. During the year detailed proposals were laid before Government for alleviating the block in promotion in the Rangers' cadre, which was referred to in last year's report. The orders of Government on these proposals are awaited.

II.—WORKING PLANS.

7. Two working plans prepared by the Working Plans staff were sanctioned during the year—the revised working plan for the Mudumalai forests in the Nilgiris and that for the Beypore Tope in Nilambur. The important revised working plan for the Nilambur Valley Forests was completed and has since been sanctioned. A Working Plans officer was engaged in the reconnaissance of the South Mangalore forests and considerable progress was made in the acquisition of detailed knowledge which will be made use of in the preparation of a working plan in the near future. Revised working plans for the Mount Stuart Forests in South Coimbatore and for the Ghumsur Sal Forests in Ganjam were under preparation. The field work for the important Wynaad Working Plan has been finished and the writing of the plan is nearing completion.

8. During the year the headquarters of the Logging Engineer's division were removed to Ootacamund, which has facilitated the co-operation which is so important, between it and the Working Plans officers. A typical instance of this close co-operation is found in the case of Mount Stuart. Here detailed enumerations combined with a large scale topographical "cruise" are being carried out under the immediate supervision of the Working Plans officer by subordinates trained in the Logging Branch. In all technical details connected with the cruising the Working Plans officer has the benefit of the advice of the Logging Engineer whilst no overlapping or waste of time is involved in the tabulation of data of essential importance for the preparation of the working plan. The Logging Engineering division was engaged in the collection of data by means of mapping and enumeration in the Andar forests of South Kanara, the New Amarampalam forests of Nilambur, the Silent Valley Forests of Palghat and of the Kal Ar Valley Forests of South Coimbatore. In New Amarampalam about 3,700 acres were mapped and enumerated during the year and at the end of the year the work was in rapid progress and much has



EVERGREEN FOREST OF THE WESTERN GHATS, SHOWING A FINE POON AND SOME LARGE HOPEA TREES IN THE BACKGROUND.

been done since towards the early completion of the project. During the year a total of 15,470 acres of remote forests was mapped and enumerated as against 11,200 acres in 1926-27.

9. The preparation of minor working plans and schemes by District Forest Officers has made progress and since the close of the year consolidated working plans for the Chittoor division and for the North Cuddapah division and a revised working plan for the Upputeru Block II reserve in Lower Godavari prepared by the District Forest Officers have been sanctioned. Revised working plans for the Kondapalle Reserved Forest in Guntur and the Sriharikota Forests in Nellore have also been received. As a result of scrutiny by the Working Plans Conservator it is likely that various modifications in the Kondapalle plan may be necessary before it is sanctioned. Consolidated working plans for the forests of Anantapur, East Kurnool and Tinnevelly divisions are under preparation. The preliminary field work for the proposed working plans for the forests of Central Salem and South Salem divisions has been completed.

10. The arrangement by which the final scrutiny of all control forms is to be carried out by the Working Plans Conservator which was referred to in last year's report was given effect to. One result has been to emphasize the failings of many of the old working plans framed before the formation of the Working Plans Circle. An attempt to use the old standardized control forms for every plan has been one reason for the impossibility of adequate control in the past. Now that appropriate control forms, with sample entries, find place in each new working plan there is no doubt that very great improvement will take place in the correct control of working plan prescriptions.

III.—UTILIZATION.

(i) COMMERCIAL UNDERTAKINGS.

(a) *Chenat Nair (including the Olavakkot Saw Mill).*

11. Exploitation operations were continued in the Elival Valley. The total quantity of timber extracted during the year was 157,748 cubic feet as against 159,120 in the previous year. The total output consists of 107,689 cubic feet of logs carted to the mill, 42,025 cubic feet converted into sleepers, and 8,034 cubic feet converted mostly into kolmarams and chattams by hand sawing in the forests.

12. While the direct cost of production of logs decreased from Re. 0-11-8 to Re. 0-10-9, overheads increased from Re. 0-3-9 to Re. 0-5-7 with the result that the final cost of log production increased from Re. 0-15-5 in 1926-27 to Rs. 1-0-3 in 1927-28.

The increase in overheads was mainly due to interest, amounting to Rs. 9,375 being newly charged to the concern.

13. The cost of production of hand-sawn kolmarams, chattams, etc., was Re. 0-13-7 per cubic foot and the sale price was Rs. 1-7-11 resulting in a net profit of Re. 0-10-4 per cubic foot.

14. The cost of sleeper production was Rs. 1-13-2 per cubic foot and the sale price Rs. 2-7-1 per cubic foot which gave a net profit of Re. 0-9-11 per cubic foot or Rs. 1-15-0 per broad gauge sleeper.

15. The total intake of the mill was 165,827 cubic feet as against 175,026 cubic feet in the previous year. It consisted of 136,451 cubic feet of timber from Chenat Nair and 29,376 cubic feet of Nilambur teak. The outturn from the Chenat Nair timber was 51·2 per cent as against 43·2 per cent in the previous year. The outturn from Nilambur teak was 54·8 per cent. The cost of conversion was reduced from Rs. 1-4-4 per cubic foot in 1926-27 to Rs. 1-1-0 in 1927-28. The total cost, including overheads, of producing sawn timber was reduced from Rs. 3-8-0 per cubic foot in 1926-27 to Rs. 2-12-0 per cubic foot in 1927-28.

16. While the total quantity of sawn timber sold increased from 31,742 cubic feet to 50,975 cubic feet the sale prices decreased from Rs. 2-0-11 to Rs. 1-9-1.

17. The result of the year's working was a net loss of Rs. 83,301 against one of Rs. 2,43,732 in the previous year. For purposes of comparison the loss of the year under report must be reduced by Rs. 31,614 representing interest, which item has not been charged before. Results of individual operations were as follows :—

	RS.
Items of profit.	
Sale of logs and other forest produce	11,471
Sale of forest sawn timber	2,333
Sale of sleepers	23,097
Items of loss.	
Sawn timber trade	89,798
Manufacture of boxes	22,225

Thus, the sale of logs and of forest sawn timber has shown a profit and that of sawn timber and manufactured boxes have shown a loss.

18. The timber seasoning kiln at Olavakkot continued to work satisfactorily.

(b) *Mount Stuart.*

19. The exploitation operations of the year resulted in a loss of Rs. 16,370 as against a loss of Rs. 1,55,178 in the previous year.

SAL FOREST IN GANJAM.

Ninety-six thousand three hundred and forty-five cubic feet of logs were felled as against 77,723 cubic feet in 1926–27 and the average cost of timber in the log delivered at the Pollachi depot was Rs. 1–6–0·49 per cubic foot as compared with Rs. 1–10–1·38 per cubic foot. The all-in cost of sawn timber was Rs. 4–9–11·16 per cubic foot while the average price realized was only Rs. 2–14–2 per cubic foot which mainly accounts for the year's loss.

20. The portable saw mill was first stationed at Pollachi to clear up old stocks. This purpose having been achieved, the mill was removed to Topslip towards the close of the year in order to saw such timber as it does not pay to transport to Pollachi for sale in the log.

(c) *Nilambur.*

21. The exploitation operations in the Nilambur valley forests resulted in a profit of Rs. 1,94,837 as against Rs. 1,32,838 in the previous year. The total quantity of timber extracted during the year was 210,823 cubic feet whereas 356,781 cubic feet were extracted in 1926–27. The cost of extraction and delivery at Beypore was Re. 0–9–4·80 per cubic foot from the natural forests and Re. 0–8–10·33 from the plantations of Nilambur Range. Extraction and delivery at Beypore from the forests of Amarampalem range cost Re. 0–15–3·26 per cubic foot. Last year for the division as a whole the all round average rate worked out to Re. 0–9–6·66 per cubic foot. The increase in the profit is mainly due to the lower production costs for big timber, the larger quantity sold and the better prices realized.

(d) *Tinnevelly.*

22. No final decision has been arrived at yet about the installation of a paper and pulp plant to utilize the eta reed in Papanasam. With a view to testing the demand for evergreen species the work of removing a few trees by selection on an experimental plot of 67 acres was started in February 1928. The timber was converted into sizes currently in demand by hand sawing in the forest and the sawn material was carted to Ambasamudram for sale. The operations were not complete at the close of the year.

(e) *The Nallamalais.*

23. Timber fellings were carried on both departmentally and by contractors in the three Kurnool divisions with a view to testing the market, before preparing working plans. Timber fellings were carried on at Iskagundem and the felling of poles was continued in the forests of South Kurnool and in the 'terai' forests of West Kurnool. In the East Kurnool division some timber was felled

and converted into house-building materials and agricultural implements by Chenchu labour. About 900 acres of pole forests in this division, too, were worked by the department for supplying small timber and agricultural implements to meet local demand. The demand for timber at Diguvametta was dull.

24. Any idea of extensive fellings of large timber or of exploitation on commercial lines in the Nallamalais is out of the question for the future. The timber over the greater part of the Nallamalais does not grow beyond the pole size and over the very limited areas which do produce timber of fairly large size the possibility is strictly limited and a great deal of the timber is unsound and of poor quality. In future reports the Nallamalais will be eliminated from this section headed "Commercial undertakings." An important feature of the year's work was the supply of softwoods for slate workings at Markapur and for a match factory at Bellary.

(*f*) *Railway sleepers.*

25. The extraction of sleepers of *Mesua ferrea* from the areas felled for the Government cinchona plantations near Valparai was continued during the year and 11,141 broad gauge and 1,514 metre gauge sleepers were produced. The result of the operations was a net profit of Rs. 2,103, after allowing for all overheads (except the Logging Engineer's pay and pay and allowances of the executive staff) and for a loss of Rs. 5,298 on account of rejected sleepers.

26. The broad gauge sleepers were sold at a profit of Rs. 1-5-0 each whilst the production of metre gauge sleepers involved a loss of 11 annas per sleeper. Instructions have been issued to the Chief Forest Engineer to restrict the production of metre gauge sleepers to the minimum quantity consistent with the economic utilization of the output. The operations are being continued during the current year. The arrangements for the supply of sleepers to the Southern Group, Sleeper Pool, were continued during the year, as a result of which 21,306 broad gauge and 13,138 metre gauge sleepers were sold to them for Rs. 2,00,533.

(*g*) *Russellkonda Saw Mill.*

27. Messrs. Parry & Co., continued to manage the mill. The result of the year's working was a net profit of Rs. 26,174 (after allowing for interest charges amounting to Rs. 22,567) as against a profit of Rs. 8,389 in the previous year.

28. The mill converted 206,701 cubic feet of logs into 85,801 cubic feet of sawn timber, with an outturn of 41·51 per cent as against 41·15 per cent in the previous year. The direct sawing charges, the overheads and selling expenses and the final total cost

ATTAPADY VALLEY, SUSPENSION BRIDGE OF CANE, MADE BY THE LOCAL KURUMBER INHABITANTS.

of sawn timber per cubic foot in 1927–28 were Rs. 1–1–9, Rs. 1–6–1 and Rs. 2–7–10 as against Rs. 1–1–0, Rs. 1–7–8 and Rs. 2–8–8, respectively, in the previous year. The average selling price of sawn timber was Rs. 2–9–7 as against Rs. 2–10–0 in the previous year. The total quantity of sawn timber sold during the year and the invoice value thereof were 87,960 cubic feet and Rs. 2,28,363 as against 82,018 cubic feet and Rs. 2,15,095, respectively, during 1926–27. As considerable difficulty was felt in keeping the mill supplied with the required quantity of sound timber, the question of log supply was examined in detail and it was found that all the large exploitable timber suitable for the mill within 25 miles of Russellkonda had already been used, and that further supplies could not be made on an economic basis or with regard to the sylvicultural interests of the forests. The Russellkonda Saw Mill has therefore been closed down from 10th July 1928.

29. As a result of the establishment of the mill about nine lakhs of cubic feet of the old stock of timber in the Ghumsur forests have been extracted. Although a large proportion of this timber has resulted from selection fellings, a considerable quantity has also been derived from clear fellings and the areas clear-felled have been regenerated in a most successful manner. One important object of the establishment of the mill, namely, the improvement of the forests by replacing the old degraded stock by a new healthy crop, has undoubtedly been attained.

(*h*) *Overseas trade.*

30. The agency of Messrs. Howard Brothers & Co., London, has been terminated but the accounts have not yet been settled finally. Steps are being taken to do this as early as possible. The overseas market must not be neglected and the appointment of agents for handling Madras timbers in various parts of the world is under consideration.

31. Small consignments of *Adina* (118 cubic feet), rosewood (296 cubic feet) and *Terminalia tomentosa* (258 cubic feet) were sent to London.

(*i*) *General.*

32. The Officer in charge of the Saw Mills and Extraction division was in charge of the saw mills at Pollachi (and subsequently at Topslip), Beypore, Chedleth and Parappa, of the Central stores at Olavakkot (to serve all the saw mills) and of the Kal Ar valley sleeper project. The formation of this division has tended to better organization and has increased efficiency. Towards the close of the year the mill at Pollachi (where it had served its purpose by clearing up the accumulated stocks of previous years) was removed to Topslip for cutting up timber which it would not pay to transport to Pollachi for sale as logs.

33. The Forest Utilization Officer continued to organize, co-ordinate and conduct sales of timber in the various centres. He was in charge of the sale depots at Olavakkot, Pollachi, Beypore, Kasaragod and Nanjangud. The sales effected by the Forest Utilization Officer during the year were satisfactory amounting to Rs. 12·23 lakhs as against Rs. 9·25 lakhs in the previous year.

34. The Deputy Forest Utilization Officer worked under the direct orders of the Chief Conservator. His chief duties were the collection of information regarding the centres of production and consumption of the various items of minor forest produce of commercial value and the investigation of the economic uses of such produce. He has commenced some experiments in lac cultivation in North Salem; the results so far are promising. He has been deputed during the current year to study the industry in Bihar and Orissa, where it has been successfully established. On his return it is hoped to start operations for the propagation of lac on a considerable scale.

(ii) SUPPLY OF PRODUCE.

(a) *Timber.*

35. The output of timber was 96,520 tons of 50 cubic feet as compared with 94,140 tons in the previous year; 38,740 tons, including 4,600 tons of sawn timber, were exploited by departmental agency and 47,820 tons by purchasers as against 33,820 tons, including 4,000 tons of sawn timber, and 56,180 tons respectively in the previous year. The increased departmental output was chiefly in the First Circle and was due to extended fellings for supply to the Russellkonda Saw Mill. The felling of a greater number of coupes in South Kurnool and increased fellings in Poonachi range in South Coimbatore to clear off arrears under the working plan also contributed to the increased departmental output. The decrease in the amount of timber exploited by purchasers was chiefly in the First, Second and Sixth Circles. It is attributed to the inaccurate returns furnished by contractors in the First and Sixth Circles, and to a change in the factor of conversion in calculating the yield from unreserved lands assigned on darkhast in the Sixth Circle. Owing to accumulation of stock in private depots and consequent want of demand by purchasers, only 1,968 acres of timber coupes were sold in the Second Circle instead of 3,523 acres in the previous year.

(b) *Fuel.*

36. During the year 19,483 tons of fuel were removed by departmental agency and 280,767 tons by purchasers as against 31,150 tons and 309,500 tons respectively in the previous year. The decrease in the output by departmental agency is due largely to the

Verified with old software

handing over of ryots' forests to panchayats a[illegible] consequent reduction in the areas felled in the First Circle, to the absence of fellings in South Cuddapah, to the lesser area felled and the smaller outturn in the three Kurnool divisions and to the smaller outturn from the plantations on the Nilgiris. The decreased removal by purchasers is attributed to the handing over of forests to panchayats. The inaccuracy of the figures of outturn supplied by contractors is a common cause of apparent fluctuations from year to year and a true comparison is very difficult to arrive at.

(c) *Bamboos.*

37. The value of bamboos removed from the forests by all agencies during the year was 3·52 lakhs of rupees as against Rs. 4·11 lakhs in the previous year. The decrease was marked in the First and Fourth Circles. In the First Circle it was due to the market being dull and in the Fourth Circle the lower amount of revenue credited during the year was due mainly to one kist being collected less than in the previous year according to the terms of contracts. Prices in the Fourth Circle were also low in the year under report.

38. The report of the special officer deputed in 1926 to investigate the possibilities of the supply of bamboos from the Rekapalli hill forests of the Upper Godavari division for a paper factory at Rajahmundry was received and printed.

(d) *Sandalwood.*

39. A total quantity of 677 tons of sandalwood was sold and fetched Rs. 9,24,295. The sales took place as usual at Tirupattur, Vellore and Satyamangalam, the quantities sold at the respective places being 418½ tons, 53½ tons and 205 tons. The average price realized for all classes during the year was Rs. 1,365 per ton as against Rs. 1,286 per ton realized in the previous year. The year's output, though smaller than that of the previous year by 47 tons, is yet far in excess of the ordinary possibility of the forests. This, as was explained last year, is due to the necessity of extracting trees killed by spike disease. Investigations relating to this obscure disease are being undertaken by the Institute of Science at Bangalore and field experiments are in hand in North Salem division. Since the disease kills young and old trees indiscriminately, much of the sandalwood revenue comes inevitably from trees which normally would be too young and small to exploit. This unfortunate but inevitable extraction of immature trees must, in the course of time, result in a serious depletion of stock with a corresponding fall in the revenue from sandalwood. Fortunately, sandalwood regenerates itself readily from seed and nature is everywhere

displaying a firm determination to spread the species, whilst the department is fully alive to the necessity of supplementing Nature's efforts by artificial means.

(e) Grazing.

40. 12·3 per cent of the forests managad by the Forest department was closed to grazing either throughout the year (12 per cent) or for part of the year (·3 per cent). Grazing permits were issued for 1,616,224 animals as against 1,816,572 animals in the previous year. The decrease is due to the transfer of large areas of ryots' forests to panchayats. It is reported that permits were issued for 960,836 animals for grazing in panchayat forests. During the year 77,585 animals grazed free of charge in the areas under the control of the Forest department as against 82,465 during the last year. In the forests under panchayat management 3,923 animals are reported to have been allowed free grazing. The revenue foregone by Government by allowing free grazing was Rs. 21,159 and further revenue foregone on account of privileged grazing amounted to Rs. 38,516, being the difference between the privileged rates and the normal rates.

41. The incidence of grazing in the reserved forest under the control of the Forest department was 5·53 acres per animal as compared with 5·68 acres in the previous year.

(f) Removal of forest produce by free grants and right holders.

42. The estimated value of forest produce removed by free grantees and right holders amounted to Rs. 1,32,950 as compared with Rs. 68,036 in the previous year. The abnormal increase is due to the large free grants made in Nellore, Chittoor and in most of the Ceded districts to enable the villagers to re-build their houses which were destroyed by the cyclone of November 1927. Otherwise most of the free grants were made to persons whose houses had been destroyed by fire.

IV.—SYLVICULTURE.

(a) NATURAL REGENERATION.

43. The study of the natural regeneration in our tropical evergreen forests received and must continue to receive much attention. Very little is known of the sequence of seed years in the case of most of the species in these forests. The accumulation of knowledge must, of necessity, be a slow process but there is no doubt that we already know a very great deal more about the sylviculture of these forests than we did 10 years ago. Experiments in Karien Shola of South Coimbatore tend to show that manupulation of the light conditions, by different degrees of opening of the canopy, is

SAWING RAILWAY SLEEPERS, GANJAM SAL FORESTS.

MOVING CAMP IN THE EVERGREEN FORESTS OF NILAMBUR DIVISION.

not likely to have the desired effect of stimulating natural regeneration of tree species. In the experimental areas referred to it is interesting to see how the stimulation to the growth of the existing undergrowth and weeds, mostly strobilanthes in the place in question has been in direct proportion to the amount of light let in.

44. The necessity of helping Nature to replace exhausted stock in our coppice forests was referred to in last year's report. During recent years this matter has exercised the attention of the Working Plans and Research Officers and it is gratifying to be able to record the fact that the prescriptions of the revised working plan for the Walayar forests have already resulted in a most promising increase of teak plants, introduced artificially, which will more than replace any exhausted stools by the time that these coppice forests are cut over in the next rotation.

45. An experiment with the same end in view has recently been started near Mettupalaiyam in a mixed, fuel forest with only moderate rainfall.

(b) ARTIFICIAL REGENERATION.

46. The trial of raising teak at Nilambur in conjunction with field crops, referred to last year, was continued. The method has given very little satisfaction and the revised working plan recently sanctioned does not contemplate its continuance, at any rate in the teak plantation working circle. One essential for success in this method is the availability of cultivators anxious to take up the work. Men of the right type ready to work with their own hands, are conspicuous by their absence at Nilambur. Some hope was entertained of getting suitable men to come and take over areas for cultivation under this method from Travancore. One man, interested in the proposal, came to make local enquiries at Nilambur. He was enthusiastic to start with but his ardour soon damped off, largely on account of the admitted unhealthiness of the locality where we wanted the work to be undertaken.

47. The revised working plan for Nilambur rightly prescribes a reversion to the methods which gave such success in the past. Great emphasis is laid on the necessity for adequate soil aeration. The use of forks, shaped like mamotties, has recently been tried for uprootings weeds round young plants and for loosening the soil and the local labour seems to be taking to them kindly. Emphasis is also laid on the desirability of not frustrating Nature's efforts to create a certain amount of mixture in the crop from its earliest days. Sylviculturally, we do not like pure teak.

48. In the Mount Stuart plantations of 1926 and 1927 this dislike for pure teak has found expression in the deliberate introduction of alternating strips, of varying width, of teak and rosewood. The rosewood promised well to start with but compared with

teak its growth in the earliest years is very slow and it is already apparent that the marginal teak trees which must, of necessity, form no inconsiderable portion of the crop, will have all the disadvantages inherent to teak trees exposed to full light on one side; excessive branching seems inevitable. The rosewood, moreover, is badly damaged by deer and other game and is also greatly impeded by weed growth. It is probable that a reversion to pure teak will be advisable until the rosewood in the plantations already made has grown up and formed a closed wood with the teak, after which we shall be in a position to know whether the strip mixture is really unsuitable or otherwise.

(c) TENDING AND OTHER MISCELLANEOUS SYLVICULTURAL WORK.

49. One of the most striking facts in many of the forests in Madras is the amount of damage caused by climbers. Recent working plans contain prescriptions for combating this evil and much good has undoubtedly been done. There is believed to have been a gratifying increase in the amount of tending afforded to areas under regeneration, whether by natural or artificial means, in recent years and the year under report is no exception. As would be expected, it is in areas not actually under regeneration that climbers usually escape attention and it is the business of every District Forest Officer to consider how improvement in this respect can be effected. Much useful climber cutting can and should be done by subordinates themselves, but for the work to be systematic a definite programme is necessary and checking of the work by inspection is essential.

(d) RESEARCH EXPERIMENTS.

50. Steady but unspectacular progress was made in sylvicultural research. Various important prescriptions in recent working plans are based on the accumulated experience from some years of research. Much of the research work results in what may be called negative information; this in itself is not without its value as it tends to the avoidance of repeating mistakes.

51. Madras can certainly uphold the opinion formed in several other provinces that artificial regeneration of most species, other than teak, is so precarious without adequate wire fencing as to be of doubtful justification. Where tree planting combined with field crops can be done so cheaply and successfully as to make it possible for the plantation to carry the cost of an adequate wire fence, the raising of species other than teak is greatly facilitated. So far, attempts to discover a place in Madras where all conditions are so suitable as to justify the use of wire fencing throughout a continuous series of years have not succeeded.

V.—GENERAL ADMINISTRATION.

(i) ALTERATION IN AREA.

52. About 73 square miles were disreserved, of which 61 square miles related to areas which for many years had been leased, though remaining reserved forests, to planters on the Anamalais in South Coimbatore. About 6 square miles in Guntur were disreserved for assignment to the depressed classes and 2 square miles in the Nilgiris were disreserved for the cultivation of plantation products. About 2 square miles were disreserved in Anantapur for leasing to the North Anantapur Gold Mining Company for prospecting purposes. The net result was a decrease of 73 square miles in the area of reserved forests which at the end of the year was 18,954 square miles.

53. About 6 square miles were added to the extent of reserved lands by rectification of areas in Tanjore and about 2 square miles were excluded by resurvey in Nilambur and the Parlakimedi Maliahs. There was thus an increase of 4 square miles in the area of reserved lands which totalled 332 square miles at the close of the year.

54. A total area of 3,353 square miles of reserved forests was under panchayat management during the year. There is still a balance of about 36 square miles of reserved forests to be handed over to ryots' panchayats for management.

(ii) FOREST SETTLEMENT.

55. Settlement operations were in progress in respect of about 118 square miles, the principal forests concerned being the Mudumalai Block (75 square miles) in the Nilgiris division, and the Bailnad (16 square miles), Perumalmalai (7 square miles) and the Adukkam-Pudukkombai (7 square miles) blocks in Salem district. The question of abandonment of the final survey and settlement of the Arana Thirthagiri block (6 square miles) in Salem is under investigation.

56. Considerable progress has been made in the selection of blocks for reservation in the Rampa Agency and a reconnaissance report on the Golgonda forests mentioned in the previous year's report has also been received.

57. In South Mangalore the settlement of three blocks notified under section 4 has been held over pending survey of the boundaries between warg and Sircar kumries. Further proposals for the reservation of nine more blocks in the same division have been received and are being examined.

(iii) DEMARCATION.

58. A total length of 97 miles of boundaries was demarcated (chiefly in North Coimbatore, Kollegal, Wynad, Parlakimedi Maliahs, Madura, the Nilgiris and Palghat divisions) at a cost of Rs. 3,298. The demarcation of 16,577 miles of boundary lines was kept in repair. At the close of the year 473 miles of boundary lines remained to be demarcated, chiefly in the Kollegal, North Coimbatore and Madura divisions.

(iv) SURVEY.

59. A Survey of India Party traversed and surveyed the Kondapalle reserved forest (38 square miles) in the Guntur division. The area has been mapped on the 1" scale.

60. The Madras Survey Party completed the survey of the coffee estates (leased forests) on the Shevaroys and carried out the resurvey of the boundaries of the reserved forests of the Atur and Salem taluks.

The survey of roads, coupes, plantations, etc., was, as usual, done departmentally.

(v) ROADS AND COMMUNICATIONS.

61. No new work of magnitude was executed during the year. The total expenditure on new works was Rs. 36,297 and on repairs Rs. 1,82,021 as against Rs. 1,42,035 and Rs. 1,07,073 incurred during the previous year. The expenditure on repairs consisted chiefly of the cost of maintenance and repairs to:

	RS.
(1) the Olavakkot-Elival road	8,532
(2) the Amarampalam-Anapadi road	44,793

On the whole, 137 miles of new roads were constructed and 1,830 miles of old roads were repaired as against 149 miles and 1,833 miles respectively in the previous year.

(vi) BUILDINGS.

62. The new major works carried out during the year consisted mainly of quarters for District Forest Officers. The construction of a house each for the two District Forest Officers at Mangalore and for one at Kurnool, all commenced in 1926–27, was completed during the year. The construction of houses for the District Forest Officers at Cocanada and at Cuddapah and of a second one at Kurnool was undertaken and completed during the year. The construction of quarters for the District Forest Officer at Chittoor was delayed by a change of the building site which necessitated land acquisition. The site was handed over to the department only in January 1928 and the work was commenced in the following month.

The total expenditure on buildings incurred during the year amounted to Rs. 3·05 lakhs as against Rs. 2·11 lakhs in the previous year.

It is satisfactory to note that six residential buildings for District Forest Officers have been completed during the year.

(vii) OTHER WORKS.

(*a*) *Water-supply at Top Slip.*

63. With the removal of the saw mill from Pollachi to Top Slip the provision of water to the latter place became essential. The revised estimate for the work was sanctioned towards the close of the year and the work was completed satisfactorily in the current year at a cost of Rs. 14,484.

(*b*) *Improvement of water-supply in grazing grounds.*

64. A sum of Rs. 4,874 was spent during the year on the improvement of the water-supply in grazing grounds in most of the divisions except those in the Northern Circars and the West Coast divisions. The improvements consist of repairing existing tanks and wells and constructing new ones. The amounts spent in the various divisions were—

	RS.
Nellore	509
Anantapur	422
East Kurnool	740
South „	43
West „	341
North Cuddapah	363
South „	179
Chittoor	100
Vellore	207
North Salem	124
Central „	71
Kollegal	1,285
North Coimbatore	490
Total ...	4,874

The total amount spent on the construction and repair of wells, eradication of rank growth, etc., was Rs. 26,715 as compared with Rs. 19,764 in the previous year.

(viii) LIVESTOCK.

(*a*) *Elephants.*

65. The number of elephants in the possession of the department at the beginning of the year was 106, valued at Rs. 2,90,670. During the year 25 elephants were captured, two were transferred

from the Revenue Department under the orders issued in G.O. No. 1524, Revenue, dated 5th August 1927, and six calves were born. Sixteen elephants were sold, eight died, two were destroyed and one was killed by one of the other tame elephants. The number on the books at the end of the year was 112 valued at Rs. 2,79,550.

66. Capturing operations were conducted in South Coimbatore, the Nilgiris, the Wynad and the Nilambur divisions and resulted in 25 captures (5 in South Coimbatore, 5 in the Nilgiris, 12 in the Wynad and 3 in Nilambur) as against 32 in the previous year. Five of the captured animals died, one was shot and seven were sold for Rs. 12,350. The remaining 12 are in good condition. The cost of the operations was Rs. 10,299 as against Rs. 10,608 in the previous year.

(b) *Cattle.*

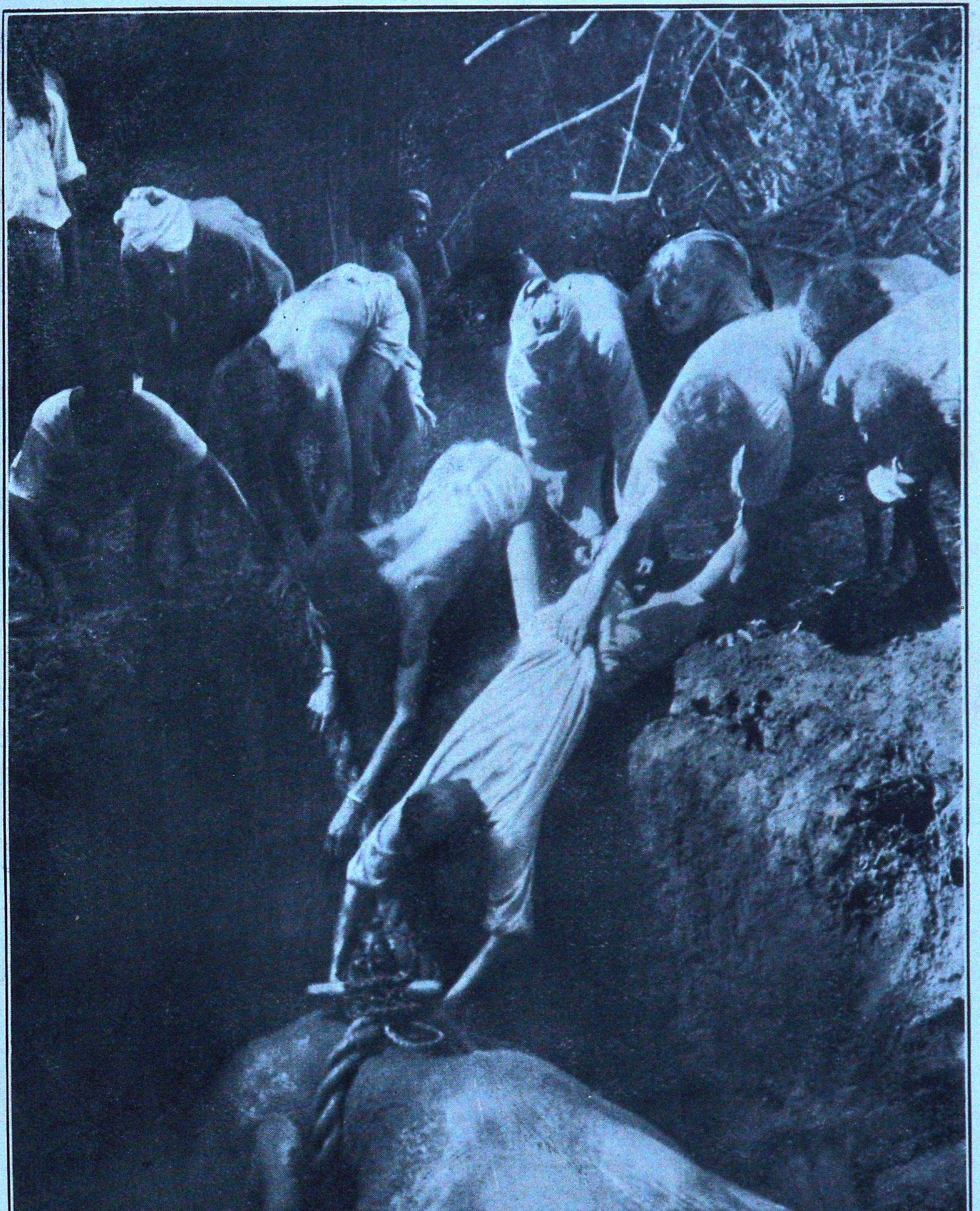
67. The stock at the commencement of the year was 64 buffaloes and bullocks valued Rs. 3,813, excluding five buffaloes in the exploitation division which were transferred to the Chenat Nair Commercial concern and written off the general accounts. Six were sold and six died. Twenty-three animals were purchased and the stock at the end of the year comprised 75 of a total value of Rs. 6,903.

(ix) BREACHES OF THE FOREST ACT.

68. The following table shows the forest offences of all kinds reported during the year compared with those of the previous year :—

Cases.	Injury to forests by fire.		Unauthorized fellings.		Unauthorized grazing.		Other offences.		Total.		Average of the three years ending 1926–27.
	1926–27.	1927–28.	1926–27.	1927–28.	1926–27.	1927–28.	1926–27.	1927–28.	1926–27.	1927–28.	
Cases taken to court ..	71	104	3,826	4,204	1,033	785	233	209	5,163	5,302	7,568
Cases compounded ..	99	337	14,074	14,182	3,677	3,935	1,096	935	18,946	19,389	20,352
Cases undetected	785	912	406	342	13	17	8	14	1,212	1,285	1,326
Total ..	955	1,353	18,306	18,728	4,723	4,737	1,337	1,158	25,321	25,976	29,236

Of the 25,924 cases disposed of during the year, including pending cases of the previous year, 6,402 cases were taken to court, 17,059 were compounded and 2,463 were withdrawn, the corresponding figures for the previous year being 23,503, 6,033, 15,534



NOOSING A CAPTURED ELEPHANT, MOUNT STUART.

and 1,936 respectively. The increase under "injury to forests by fire" was chiefly in the Fourth Circle, and it is attributed to the severe hot weather. The bulk of the increase under "unauthorized fellings" was in the Second Circle due to prolonged drought and the consequent absence of work for labourers. The figures mentioned above include forest offences dealt with both by the Forest and Revenue Departments. Separate details of the offences dealt with by the two departments are given in statement No. 30.

69. Of the 6,402 cases disposed of by the magistrates 3,918 ended in conviction and 2,484 in acquittal, the percentage of acquittal being 39 as against 43 per cent in the previous year. The acquittals include cases in which the accused elected to pay the compounding fees after the cases were reported to the magistrates. The largest number of acquittals occurred in the Fifth Circle, where out of a total number of 1,058 cases "acquitted" 951 (90 per cent) were acquitted on payment of compounding fees, 71 cases (7 per cent) were withdrawn and only 36 cases (3 per cent) were actually acquitted after trial.

70. Rupees 1,84,468 were realized as compounding fees as against Rs. 2,04,339 in the previous year. The average compounding fee for each case was Rs. 10–13–0 and for each accused Rs. 5-6-1 as compared with Rs. 13–0–11 and Rs. 6–2–6 respectively in 1926–27.

(x) PROTECTION FROM FIRE.

71. What may be described as a modified form of the early burning system was tried in many of the forests during the year under report. Past experience having shown that it is out of the question to burn really early over vast areas during the very limited period in which the true operation is possible, efforts were confined chiefly to the burning of grass along outer boundaries and internal lines of communication frequented by human beings. This being the case, attempts to give figures of areas early burnt and percentages of successful protection under this system tend to be misleading and are intentionally omitted from this review. One method of applying this modified form of fire protection which has been prescribed for actual practice in a recent working plan is as follows :— from one side of specified roads and boundaries fire will be set and allowed to burn itself out, which it will usually do after going no great distance in from the open line. The meandering line marking the limits of the first early burn will then be more or less straightened out by cutting a narrow guide line joining up the various points on the meandering line where it has extended sufficiently far into the forest. From this guide line burning will be done back to the road or boundary with comparative safety after

the grass had got really dry. Admittedly the theory does not involve the early burning of large tracts of forest but is intended to make use of the possibility of burning early wide fire lines cheaply with a view to keeping fire out of large interior areas of forest. The feasibility of adopting the method with success will vary from year to year and from place to place and it is, essentially, still in the experimental stage.

72. In the Second Circle attempts were made to burn early over extensive areas. The results may be gauged from the report of the Conservator who remarks that in spite of every step that was taken during the early burning season of 1927–28 and though the District Forest Officers were engaged personally in directing the early burning operations in many places, it was found impossible to go over the entire area covered by the scheme within the brief period available for real early burning. The conditions are so different from place to place that even in one and the same locality an appreciably large area cannot be early burnt at one time as it is impossible for the staff to be present all over the area of each reserve and carry out the burning at the right time everywhere.

73. The early burning system was found unsuitable to the South Mangalore forests. In Kollegal it caused damage to the tree growth while it proved a failure in the Mudumalai forests of the Nilgiris, owing to the fact that when the first attempt was made to light the grass along road sides it was too damp to burn and that within some ten days thereafter the forest had become so inflammable that the District Forest Officer had to order operations to be stopped lest a general conflagration should occur. These very inflammable forests were not, however, burnt to any appreciable extent during the year under report.

74. The area over which special fire protection other than early burning was attempted, was 3,893 square miles, of which 410 square miles (10·5 per cent) were damaged by fires, the figures for the previous year being 4,506 square miles, 88 square miles and 1·9 per cent, respectively. The increase in the percentage of the area damaged by fire was chiefly in the First Circle where 25 per cent of the area attempted to be protected was damaged by fire. This is reported to be due mainly to the privileges allowed to the Koyas and Reddis and other hillmen in Vizagapatam and Upper and Lower Godavari divisions. These people are allowed free grazing and free shikar in Upper Godavari and it is to be regretted that they purposely set fire to the forest in order to get fresh grass or to rouse the game. In Vizagapatam the fires were due to the hillmen's practice of boiling *Caryota urens* for the toddy and baking *Bahinia Vahlii* fruit in the forest. The District Forest Officer is taking steps to induce the hillmen to collect the produce and conduct the above operations

within the village limits. The expenditure on special protection during the year was Rs. 31,897 as against Rs. 33,814 in the previous year.

75. As a punishment for wilful incendiarism the grazing fees were enhanced in certain villages in the Kodur range in South Cuddapah division. Two persons caught red handed setting fire to the forest in Tinnevelly, were prosecuted before the Magistrate. One was sentenced to six months' imprisonment and the case against the other is under trial.

76. Rewards amounting to Rs. 2,969 were given to the Khonds of Pondokhol Agency in Ganjam and to certain Koyas and Reddis of Upper Godavari and to the villagers of Peddapur Agency in Lower Godavari for assisting in fire protection.

(xi) FOREST PANCHAYATS.

77. The working of the forests already handed over to panchayats has been separately reported on by the Board of Revenue in whom their management is vested. The total area handed over before the 31st March 1928 was 3,353 square miles of forests in charge of 1,130 panchayats. As a consequence of the transfer of reserves to panchayat management it has been possible to effect considerable retrenchment. Proposals are under consideration for the abolition of the Sarvasidhi range in Vizagapatam, Ellore range in Lower Godavari, Kadiri range in Anantapur and Owk range in the West Kurnool division; besides it is proposed to reduce the Forester's and the Forest Guard's cadre materially.

78. The Forest Village system was in force during the year in the North Arcot, Coimbatore and South Kanara districts. The system worked well in North Arcot and Coimbatore but the results in South Kanara were not satisfactory.

(xii) FOREST COLLEGE.

79. Mr. C. R. F. Williams continued as Principal of the College throughout the year. Thirty-two students passed out of the College in 1928; of these, eleven were from the Central Provinces, eight from Bombay, two from Hyderabad, two from the Orissa Feudatory States, besides one private student and eight Madras Government stipendiary students. No student obtained Honours but all the thirty-two obtained Higher Standard certificates. There were no failures. The examination results were satisfactory.

(xiii) VERNACULAR TRAINING SCHOOLS.

80. Vernacular Training schools for the technical instruction of the subordinate staff were held in the First, Second, Fourth and

Sixth Circles. The results were satisfactory. Besides the subordinates of this Presidency two students from Bihar and Orissa, two from Keonjhar State and one from Khondapara State were trained in the school held in the Ganjam district.

(xiv) FINANCE.

81. The total revenue amounted to Rs. 51·28 lakhs as against Rs. 55·30 lakhs in the previous year, the expenditure being Rs. 49·12 lakhs as compared with Rs. 50·58 lakhs. The result was a surplus of Rs. 2·16 lakhs as against Rs. 4·72 lakhs in 1926–27.

82. There was an increase of Rs. ·38 lakh in the revenue on sandalwood; but the total revenue on produce removed by Government Agency decreased by Rs. ·88 lakh. The decrease was mainly under "Timber" (Rs. 1·35 lakhs) and was due to the dullness of the timber market. The revenue realized on produce removed by contractors and purchasers decreased by Rs. 2·24 lakhs due to fall in prices and to transfer of reserves to panchayats.

83. The expenditure on works (including capital expenditure outside the commercial concerns) decreased by Rs. ·93 lakh. There was a decrease of Rs. 1·09 lakhs on establishments (including the Engineering Branch) which was mainly due to reduction of staff consequent on the handing over of reserves to panchayats. Expenditure in England increased by Rs. ·37 lakh.

84. The sub-joined trading account exhibits the financial position of the department for the year and shows the net profit to be Rs. 11·41 lakhs as against Rs. 9·16 lakhs in the previous year :—

I. Trading Account.

	Lakhs. RS.	Lakhs. RS.		Lakhs. RS.	Lakhs. RS.
Stock of timber, etc., in depots on 31st March 1927	4·10		Stock of timber, etc., in depots on 1st April 1928	2·97	
Stock of tools and plant on 31st March 1927	5·05		Stock of tools and plant on 1st April 1928	5·35	
		9·15			8·32
Revenue outstanding on 31st March 1927		6·22	Revenue outstanding on 1st April 1928		8·39
Working expenditure of the year		40·38	Sales of the year		52·42
Good debts (advances) on 31st March 1927		·27	Good debts (advances) on 1st April 1928		·18
Gross Profit		13·29			
Total ..		69 31	Total ..		69·31

NOTE.—The difference between the figures at the close of 1926–27 and those at the commencement of 1927–28 is due to the Chenat Nayar Exploitation Unit having been commercialized during the year. General figures for this unit are not available.

II. Interest.

	Lakhs of RS.
(1) Capital expenditure up to the end of 1926–27 (excluding the commercial concerns)	19·72
Capital expenditure during 1927–28	7·19
	26·91
(2) Interest on capital expenditure at 6 per cent ...	1·61

III. Depreciation.

(3) Depreciation on tools and plant at 5 per cent ...	·27

IV. Profit and Loss Account.

Gross profit as per table I	13·29
Deduct total of tables II and III (1·61 *plus* ·27) ...	1·88
Net profit .	11·41

85. The above figures exclude the financial results of the year's working of the Russellkonda Saw Mill, the Chenat Nair, Nilambur and the Mount Stuart Commercial concerns which were as follows :—

		RS.
Russellkonda	+	26,174
Chenat Nair	—	83,301
Nilambur	+	1,94,837
Mount Stuart	—	16,370

Together, the four projects showed a profit of Rs. 1·21 lakhs. No charges have been included for pensions paid in India or for stationery and printing except for commercial concerns and no credit is taken for free grants and free grazing and grazing at privileged rates to the extent of Rs. 1,32,950 or for safeguarding of sources of irrigation and such like functions of national importance.

(xv) GENERAL.

86. Since the close of the year Mr. Richmond, the permanent Chief Conservator of Forests, has been deputed to attend the British Empire Forestry Conference in Australia and New Zealand.

87. Before leaving for Australia, the permanent Chief Conservator expressed the wish that this review should contain a reference to the work of the Conservators, whose loyal support in the administration of the department during the year under report was greatly appreciated by him.

A. WIMBUSH,
Acting Chief Conservator.

[Appendices

APPEN

APPENDIX A.—Comparative statement of numbers and origins

District	A. Fires caused by accident or through carelessness in burning fire lines.		B. Fires entering forests by crossing exterior fire lines.		C. Fires beginning inside the							
					Owing to carelessness or accident							
					By workmen engaged in the forests or by purchasers of forest produce and by hay cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lightning or by fire balloons.	
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
First Circle.												
Ganjām	1	19	9	13,753	..	..	27	27,855	..	..	..	..
Vizagapatam ..	..	..	4	313	10	2,348	12	4,585	..	..	..	..
Gōdāvari, Upper..	8	14,124	7	4,238	..	..	11	2,501	..	..	..	..
Do. Lower ..	1	50	3	170	..	..	36	5,870	..	..	..	..
Guntūr	..	..	..	..	..	..	11	372	..	..	..	..
Nellore	..	..	..	..	2	250	9	2,328	..	..	..	..
Total ..	10	14,193	23	18,474	12	2,598	106	43,511	..	..	..	..
Second Circle.												
Anantapur ..	1	16	9	1,076	1	15	2	20	..	..	..	..
Kurnool, East ..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	4	3,050	2	2,020	6	4,611	14	10,612	1	20	..	..
Do. West ..	1	25	1	200	1	100	4	565	..	..	..	..
Cuddapah, North..	..	..	26	12,126	14	9,201	3	2,520	..	..	..	..
Do. South ..	1	90	8	3,827	2	187	18	7,232	..	..	..	..
Total ..	7	3,181	46	19,249	24	14,114	41	20,949	1	20	..	..
Fourth Circle.												
Chittoor	..	..	10	5,456	..	..	2	200	3	700	..	..
Vellore	..	..	9	591	6	303	13	235	..	..	..	..
Salem, North ..	..	..	2	16	..	..	24	3,981	..	..	..	..
Do. Central ..	..	..	12	1,329	..	..	20	696	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	33	7,392	6	303	59	5,112	3	700	..	..
Fifth Circle.												
Kollegal ..	1	400	..	..	..	..	2	60	..	..	..	..
Coimbatore, North.	..	..	3	86	..	..	30	4,053	..	..	..	..
Do. South.	..	..	2	205	..	..	5	300	..	..	..	..
Madura	..	..	3	98	2	105	..	..	..	..	..	..
Tinnevelly ..	..	..	8	730	2	1	1	23	..	..	4	1,336
Total ..	1	400	16	1,119	4	106	38	4,436	..	..	4	1,336

DICES

of fires that occurred during the calendar year 1927.

reserves or fire-traced areas.

By intentional firing											
In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total.		Causes unknown.		Total of A, B and C and causes unknown.	
Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
13	9,007	..	..	..	..	40	36,862	21	13,090	71	63,724
..	..	..	..	..	..	22	6,933	..	..	26	7,246
17	96,419	12	73,424	..	..	40	1,72,344	8	6,541	63	1,97,247
..	..	..	..	..	..	36	5,870	49	11,836	89	17,926
1	26	..	..	..	..	12	398	..	..	12	398
13	3,795	..	..	1	500	25	6,873	8	522	33	7,395
44	109,247	12	73,424	1	500	175	229,280	86	31,989	294	293,936
43	14,909	2	255	2	321	50	15,520	18	2,701	78	19,313
..	..	..	..	..	..	..	..	23	4,262	23	4,262
6	1,070	..	..	..	..	27	16,313	..	..	33	21,383
1	200	..	..	..	..	6	865	19	1,675	27	2,765
29	14,430	..	..	27	10,189	73	36,340	2	600	101	49,066
31	13,992	..	..	66	16,928	117	38,339	20	4,546	146	46,802
110	44,601	2	255	95	27,438	273	107,377	82	13,784	408	143,591
15	2,239	..	..	..	..	20	3,139	44	6,975	74	15,570
76	6,004	..	..	5	103	100	6,645	108	12,374	217	19,610
..	..	..	..	..	..	24	3,981	78	14,089	104	18,086
28	7,501	..	..	6	233	54	8,430	49	8,005	115	17,764
..	..	..	..	..	..	..	..	35	2,281	35	2,281
119	15,744	..	..	11	336	198	22,195	314	43,724	545	73,311
54	14,505	1	1	..	..	57	14,566	..	..	58	14,966
3	192	..	..	2	77	35	4,322	80	16,874	118	21,282
10	1,071	1	2	..	..	16	1,373	17	774	35	2,352
..	..	..	..	22	748	24	853	102	4,606	129	5,557
23	2,369	..	..	16	480	46	4,209	..	..	54	4,939
90	18,137	2	3	40	1,305	178	25,323	199	22,254	394	49,096

Appendix A.—Comparative statement of numbers and origins

District.	A. Fires caused by accident or through carelessness in burning fire lines.		B. Fires entering forests by crossing exterior fire lines.		C. Fires beginning inside the — Owing to carelessness or accident — By workmen engaged in the forests or by purchasers of forest produce and by hay cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lightning or by fire balloons	
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Sixth Circle.												
Mangalore, North.	..	..	10	298	..	..	6	46	..	..	..	..
Do. South.	..	..	9	96		..	7	223	..	..	..	..
Wynaad	2	53	2	30	..	..	..	..	..	..	..	..
Nilambur ..	2	25	1	275	..	..	..	..	..	..	..	..
The Nilgiris ..	..	..	3	7	..	..	20	732	1	200	..	..
Palghat	4	47	4	16	1	50	2	121	..	..	..	..
Total ..	8	125	29	722	1	50	35	1,122	1	200	..	..
Parlakimedi Maliahs ..	..	..	9	228	..	..	..	..	..	..	..	..
Grand Total, Presidency ..	26	17,899	156	47,184	47	17,171	279	75,130	5	920	4	1,336

of fires that occurred during the calendar year 1927—*cont.*

reserves or fire-traced areas.

By intentional firing.								Causes unknown.		Total of A, B and C and causes unknown.	
In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total.					
Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
..	..	..	..	..	..	6	46	16	822	32	1,166
..	..	5	28	3	205	15	456	15	254	39	806
..	..	..	..	..	..	..	..	2	135	6	218
..	..	..	..	..	..	..	..	1	1	4	301
..	..	..	..	2	90	23	1,022	12	140	38	1 169
..	..	1	60	1	120	5	351	11	431	24	845
..	..	6	88	6	415	49	1,875	57	1,783	143	4,505
..	..	..	..	..	..	..	..	30	2,050	39	2,278
363	187,729	22	73,770	153	29,994	873	386,050	768	115,584	1,823	566,717

APPENDIX B.—Comparative statement of impounded cattle during 1927–28.

Districts.	Number of cattle impounded. 1926–27.	1927–28.	Average for three years ending 1926–27.
First Circle.			
Ganjām	1,594	3,522	2,380
Vizagapatam	690	537	405
Gōdāvari, Upper	846	786	749
Do. Lower	1,175	1,177	1,593
Guntūr	8,705	6,778	17,443
Nellore	9,035	2,985	11,128
Total ..	22,045	15,785	33,698
Second Circle.			
Anantapur	10,582	10,431	15,798
Kurnool, East	4,484	3,803	6,683
Do. South	4,612	4,073	8,310
Do. West	10,416	7,356	7,778
Cuddapah, North	1,913	3,650	3,317
Do. South	1,113	1,674	2,179
Total ..	33,120	30,987	44,065
Fourth Circle.			
Chittoor	2,762	2,327	5,754
Vellore	3,913	6,602	8,397
Salem, North	1,571	1,672	1,683
Do. Central	2,600	3,036	4,980
Do. South	2,035	1,170	2,762
Total ..	12,881	14,807	23,576
Fifth Circle.			
Kollegal	2,402	3,467	3,555
Coimbatore, North	3,560	3,008	4,553
Do. South	423	564	870
Madura	5,075	4,764	6,668
Tinnevelly	1,580	1,486	2,281
Total ..	13,040	13,289	17,927
Sixth Circle.			
Mangalore, North	114	124	139
Do. South	343	324	259
Wynaad	131	90	165
Nilambur	470	575	382
The Nilgiris	1,108	690	961
Palghat	546	405	560
Total ..	2,712	2,208	2,466
Grand Total, Presidency ..	83,798	77,076	1,21,732

ANNUAL FORM No. 25.

Forest Department, Madras Presidency.

Area of reserved forests and reserved lands during 1927–28.

ANNUAL FORM

Forest Department,

Area of reserved forests and

Districts.	Area of reserved forests. Area on 1st April 1927. Acres.	Area on 1st April 1927. Equivalent in square miles.	Added during the year. Acres.	Excluded during the year. Acres.	Area on 31st March 1928. Acres.	Area on 31st March 1928. Equivalent in square miles.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
First Circle.						
Ganjam	400,095	625	(a) 19	..	400,114	625
Vizagapatam ..	196,222	307	..	..	196,222	307
Gōdāvari, Upper ..	531,434	830	..	..	531,434	830
Do. Lower ..	364,446	569	..	..	364,446	569
Guntūr	589,368	921	..	(b) 3,770	585,598	915
Nellore	523,864	819	..	..	523,864	819
Total ..	2,605,429	4,071	19	3,770	2,601,678	4,065
Second Circle.						
Anantapur	1,150,303	1,797	(b) 9	(c) 1,261	1,149,051	1,795
Kurnool, East ..	620,827	970	..	(c) 84	620,743	970
Do. South	489,118 (a)−71,477	764	..	..	417,641	653
Do. West	532,897 (a) +71,477 (d) + 1·00	833	..	..	604,375	944
Cuddapah, Noeth ..	507,233	793	..	(c) 149	507,084	793
Do. South ..	440,978	689	..	..	440,978	689
Total ..	3,741,357	5,846	9·00	1,494	3,739,872	5,844
Fourth Circle.						
Chittoor	(b) 503,793	787·00	..	(c) 522	503,271	786·39
Vellore	714,331	1,116.00	(a) 227·00	..	714,558	1,116·49
Salem, North ..	369,671	578·00	..	..	369,671	577·50
Do. Central ..	612,689	957·00	(d) 8,035·00	(e) 913·04	619,811	968·45
Do. South ..	271,878	425·00	..	(e) 8,540·00	263,338	411·46
Total ..	2,472,362	3,863·00	8,262·00	9,975·04	2,470,649	3,860·29 or 3,860

First Circle—

(a) Notified under section 16 of the Forest Act (Gallery Extension II Ganjam).

(b) 3,770 acres disforested in Guntur district, 3,746 acres for agricultural purposes, 18 acres in Seetharampuram Reserve and 5 acres in Tadepalli Reserve for Railway and house-sites; and 1 acre in Kondavid Reserve being occupied by a rest-house under section 24 of Madras Forest Act.

(c) Leased forests.

(d) Notified under section 26 of the Forest Act.

(e) Transferred from reserved land to reserved forests (vide above).

Second Circle—

(a) The area of reserves of Owk Range transferred from Kurnool South to Kurnool West division.

(b) Area notified under section 16 notification.

(c) Areas disforested under section 24 notification.

(d) One acre was omitted to be included in last year's return and hence now added.

No. 25.

Madras Presidency.

reserved lands during 1927–28.

Area of reserved lands.						Total area of reserved forests and reserved lands in square miles.
Area on 1st April 1927.		Added during the year.	Excluded during the year.	Area on 31st March 1928.		
Acres	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
(8)	(9)	(10)	(11)	(12)	(13)	(14)
27	..	..	(e) 19	8	..	625
(c) 1,313	2	..	..	(c) 1,313	2	309
(d) 14				(d) 14		
..	..	..	..	..	..	830
..	..	..	..	..	..	569
(d) 381	1	..	..	(d) 381	1	916
..	..	..	..	..	..	819
1,735	3	..	19	1,716	3	4,068
9	0·01	..	9	..	..	1,795
..	..	..	..	..	..	970
..	..	..	..	..	..	653
..	..	..	..	..	..	944
..	..	..	..	..	..	793
..	..	..	..	..	..	689
9	0·01	..	9	..	..	5,844
..	..	..	..	..	..	786·39
70·00	·01	..	..	70·00	·01	1,116·50
325·00	0·50	..	..	325·00	0·50	578·00
(f) 3,803·55	5·94	..	..	3,803·55	5·94	974·39
19,299·00	30·16	..	..	(g) 19,302·00	30·16	441·62
23,497·55	36·61	..	..	23,500·55	36·61 or 37	3,896·90 or 3,897

Fourth Circle—

Reserved forests—

(a) An area of 227·00 acres excluded (Kadapperi reserve) in 1926–27 is added since the area was already excluded in 1925–26.

(b) Revised area excludes 232 acres wrongly added in last year's return.

(c) Area disforested during the year, that is, 330·00 acres in Mungilpet reserved forest in Notification No. 131, dated 30th April 1927 and 192 acres in Notification No. 132, dated 30th April 1927.

(d) Transferred from Salem South to Salem Central.

(e) 8,035 acres transferred to Central Salem.
505 acres excluded in survey.

Reserved lands—

(f) 13·55 acres notified under section 4 last year, now included.

(g) Correct area furnished by the District Forest Officer.

Area of reserved forests and reserved

Districts.	Area of reserved forests.					
	Area on 1st April 1927.		Added during the year.	Excluded during the year.	Area on 31st March 1928.	
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Fifth Circle.						
Kollegal	605,829	947	..	..	605,829	947
Coimbatore, North ..	558,132	872	..	..	(d) 558,132	872
Do. South ..	289,357	(a) 452	(b) 57	(c) 38,883	(e) 250,531	391
Madura	448,669	701	..	(c) 15	(f) 448,654	701
Tinnevelly	267,157	417	..	..	(g) 267,157	417
Tanjore	6,468	10	..	..	6,468	10
Total ..	2,175,612	3,399	57	38,898	2,136,771	3,338
Sixth Circle.						
Mangalore, North ..	229,902	359	..	(a) 6	229,896	359
Do. South ..	280,563	438	..	..	280,563	438
Wynaad	168,164	263	..	..	168,164	263
Nilambur	68,822	108	..	..	68,822	108
Palghat	168,110	263	..	..	168,110	263
The Nilgiris ..	266,777	417	(b) 540	(c) 1,101	266,216	416
Total ..	1,182,338	1,848	540	1,107	1,181,771	1,847
Parlakimedi Maliahs.	..	..	..	..	..	..
Grand Total, Presidency.	12,177,098	19,027	8,887	55,244·04	12,130,741	18,954·29

Fifth Circle—

(a) Includes 27 square miles of Tekadi leased forest.
(b) Due to adoption of correct areas as per Resettlement Register of 1911.
(c) Disreserved.
(d) Includes 19,636 acres of the Ryots' Forests handed over to Panchayats.
(e) Do. 3,496 do. do. do.
(f) Do. 21,579 do. do. do.
(g) Do. 6,028 do. do. do.
(h) Due to adoption of correct area furnished by the Collector of Tanjore.

lands during 1927-28—*cont.*

Area of reserved lands.							Total area of reserved forests and reserved lands in square miles.
Area on 1st April 1927.		Added during the year.	Excluded during the year.	Area on 31st March 1928.			
Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
(8)	(9)	(10)	(11)	(12)	(13)		(14)
..	..	..	..	..	..		947
..	..	..	..	..	..		872
..	..	..	..	..	..		391
..	..	..	..	..	..		701
..	..	..	..	..	..		417
2,000	3	(b) 3,992	..	5,992	9		19
2,000	3	3,992	..	5,992	9		3,347
..	..	..	..	..	..		359
4,013	6	..	..	4,013	6		444
22	..	..	..	22	..		263
12,252	19	..	(d) 742	11,510	18		126
..	..	..	..	..	..		263
49,217	77	(e) 37	..	49,254	77		498
(f) 2,878	5	..	..	2,878	5		
68,382	107	37	742	67,677	106		1,953
113,915·11	177·95	..	540	113,375·11	177·12		177·12
2,09,538·66	327·57	4,032	1,310	212,260·66	331·73		19,286·02

Sixth Circle—

(*a*) Excluded on account of the rectification of the Boundary of a reserved forest according to section 16 notification.

(*b*) Due to the reconciliation of the areas with revenue accounts.

(*c*) Disforested.

(*d*) Due to the adoption of areas entered in the karars (lease deeds) relating to Nilambur leased forests according to the notification published on pages 1848—49 of the *Fort St. George Gazette*, dated 7th September 1926.

(*e*) Due to recomputation of fields in resettlement.

(*f*) Todaputta lands.

Appendix to Form No. 25.

Showing the areas according to the final reclassification for the year 1927–28.

Name of forest division.	Departmental forests.	Ryots forests.	Total.
First Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjām	625	..	625
Vizagapatam	274	33	307
Gōdāvari, Upper	830	..	830
Do. Lower	470	99	569
Guntūr	612	303	915
Nellore	409	410	819
Total	3,220	845	4,065
Second Circle.			
Anantapur	583	1,212	1,795
Kurnool, East	886	84	970
Do. South	634	19	653
Do. West	856	88	944
Cuddapah, North	754	39	793
Do. South	669	20	689
Total	4,382	1,462	5,844
Fourth Circle.			
Chittoor	576	210	786
Vellore	743	374	1,117
Salem, North	568	10	578
Do. Central	736	232	968
Do. South	267	144	411
Total	2,890	970	3,860
Fifth Circle.			
Kollegal	947	..	947
Coimbatore, North	830	42	872
Do. South	386	5	391
Madura	660	41	701
Tinnevelly cum Ramnad	407	10	417
Tanjore	(a) 6	(a) 4	10
Total	3,236	102	3,338
Sixth Circle.			
Mangalore, North	359	..	359
Do. South	438	..	438
Wynaad	263	..	263
Nilambur	108	..	108
Palghat	253	10	263
The Nilgiris	416	..	416
Total	1,837	10	1,847
Grand Total, Presidency	15,565	3,389	18,954

(a) Ten square miles of unclassified forests in Tanjore were classified—G.O. No. 791, Development, dated 30th April 1928.

Annual Form No. 26.

Forest Department, Madras Presidency.

Progress made in forest settlements during the year 1927–28.

ANNUAL FORM No. 26

Forest Department, Madras Presidency.

Progress made in forest settlements during the year 1927–28.

Name of Forest Division.	Name of forest.	Area in square miles.			Cost during the year.		Entire cost per square mile of area finally settled.	Government notification of settlement.	
		Finally settled during the year.	In hand at the commencement of the year.	Taken in hand during the year.	In forest accounts.	In other accounts.		Number.	Date.
	First Circle.								
Ganjam ..	Gallery Extension II	0·03	0·03	..	..	..	..	240	25th July 1927.
	Tiliki Extension I IX and XI.	..	0·01	..	..	..	..	183	1st May 1926.
	Total ..	0·03	0·04	..	..	..	..	..	
	Second Circle.								
Anantapur ..	Shettur reserve	0·01	0·01	..	..	..	..	178	4th June 1927. (Section 16 notification published).
Kurnool, East.	....	..	..	..	..	..	..	..	..
„ South.	....	..	..	..	..	..	..	..	..
„ West.	....	..	..	..	..	..	..	..	..
Cuddapah, North.	....	..	..	..	..	..	..	..	..
Cuddapah, South.	....	..	..	..	..	..	..	..	..
	Total ..	0·01	0·01	..	..	..	..	..	

	Fourth Circle.								
Chittoor ..	....	..	..	Nil.	..	..	..	..	..
Vellore ..	....	..		Nil.	..	..	..	..	..
North Salem ..	Aiyur Extension No. II	..	0·50	..	..	..	9	..	17th Dec. 1924.
Central Salem .	Arana and Thirthagiri reserved lands ..	..	5·92	..	..	..	363	..	7th July 1909.
	Varanjaram (part)	..	0·02	..	..	..	168	..	27th April 1926.
South Salem ..	Adukkam Pudukombai	..	7·00	..	..	..	142	..	13th May 1925.
	Perumalmalai	..	7·00	..	..	..	162	..	4th June 1925.
	Bailnad	..	16·00	..	..	..	99	..	8th Mar. 1926.
	Total ..	..	36·44	..	..	..	..	..	
	Fifth Circle.								
	Nil.								
	Sixth Circle.								
South Mangalore.	(1) Karindala	..	3·63	..	..	..	..	..	
	(2) Kinnanur	..	1·43	..	..	..	..	..	
	(3) Eleri	..	74·75 *	..	..	..	..	..	
The Nilgiris ..	(1) Mudumalai and Kumbarakolli	..	0·32	..	..	..	..	..	
	(2) Madnad Reserved Forest addition No. II..	..							
	Total ..	..	81·34	..	..	..	..	..	
	Grand Total, Presidency ..	0·04	117·83	..	..	..	.	..	

* This is the correct area as per recomputation at the resettlement of the fields.

Annual Form No. 27.

Forest Department, Madras Presidency.

Record of demarcation and maintenance of boundaries during 1927–28.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year. On new works.	Expenditure on demarcation during the year. On repairs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
First Circle.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS. A. P.	RS. A. P.
Ganjam	..	(a) 1,375	..	1,375	..	80	1,455	(b) 502 0 0	5 0 0
Vizagapatam ..	..	(a)(c)460	..	460	..	19	(c) 479	..	7 0 0
Godavari, Upper ..	..	(a) 595	..	595	15	151	761	..	4 0 0
Do. Lower ..	..	(a) 928	..	928	..	101	1,029	..	..
Guntur	..	(a) 1,625	..	1,625	..	277	1,902	..	..
Nellore	..	(a) 461	..	461	..	138	599	..	52 0 0
Total ..	..	5,444	..	5,444	15	766	6,225	..	68 0 0
Second Circle.									
Anantapur ..	..	629	71	(a) 700	..	142	842	..	244 3 0
Kurnool, East ..	..	406	209	615	..	48	663	..	..
Do. South ..	..	413	55	468	..	5	(b) 473	..	30 0 0
Do. West ..	..	1,051	..	1,051	..	100	(b)1,151	..	52 0 0
Cuddapah, North ..	..	474	290	764	..	13	777	..	400 12 0
Do. South ..	..	311	44	355	..	62	(c) 417	..	..
Total † ..	..	3,284	669	3,953	..	370	4,323	..	726 15 0
Fourth Circle.									
Chittoor	..	730	64	794	..	36	830	..	44 9 0
Vellore	..	1,670	..	1,670	..	39	1,709	..	162 0 0
Salem, North ..	..	706	50	756	..	71	827	..	79 12 0
Do. Central ..	..	1,035	71	1,106	..	15	1,121	* 3 8 0	644 4 0
Do. South ..	..	610	..	610	..	..	610	..	17 0 0
Total ..	..	4,751	185	4,936	..	161	5,097	3 8 0	947 9 0

Note for First Circle.

(a) Cleared by subordinates free of cost.
(b) Relates to the demarcation of proposed reserves in Balliguda division under rule 2 of the rules under section 26 of Forest Act.
(c) The difference between the length shown in columns 3, 5 and 8 of the return and that shown in the previous year's return is due to the exclusion of boundaries of ryots' forests as per Chief Conservator's Proceedings L. Dis. No. 9041/26, dated 16th December 1926.

Note for Second Circle.

(a) The increase of 4 miles is due to placing the entire area of Moka Reserve under class I.
(b) The difference of 183 miles in the length of boundary lines between that shown in the return for 1926–27 and that shown in this return represents the length of boundary lines of the reserves of Owk Range transferred from Kurnool South to Kurnool West.
(c) The decrease of 48 miles represents the extent of reserves handed over to Panchayats.

Note for Fourth Circle.

* Demarcation with cairns at the four corners of the disreserved bit in Atur Ghat Reserved Forest.
The difference between the length noted in column 8 of the previous year's return and the total of lengths noted in columns 3, 4 and 7 of this return is due to the handing over of the ryots' forests to panchayat management during the year. Jalluthu Reserves (22 miles of boundary) was transferred from South to Central Salem.

Record of demarcation and maintenance of boundaries during 1927–28—*cont.*

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new works.	On repairs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Fifth Circle.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Kollegal	24	(a) 334	..	358	85	152	595	830	..
Coimbatore, North	36	(a) 514	(c) ..	550	134	106	790	345	274
Do. South.	..	14	206	220	..	72	292	..	125
Madura	6	(a) 809	* 418	1,233	213	171	1,617	100	..
Tinnevelly ..	..	(a) 252	125	377	..	35	412	..	50
Total ..	66	1,923	749	2,738	432	536	3,706	1,275	449
Sixth Circle.									
Mangalore, North.	..	16	1,210	(a) 1,226	..	103	1,329	..	289
Do. South.	..	42	1,093	(a) 1,135	..	101	1,236	* 1,095	380
Wynaad	12	(b) 67	1,125	(c) 1,204	..	36	1,240	476	77
Nilambur	..	(d) 101	..	101	14	55	170	130	..
The Nilgiris ..	6	(f) 319	1,197	(e) 1,522	..	299	1,821	208	434
Palghat	6	138	124	(a) 268	12	39	319	111	93 + 37
Total ..	24	683	4,749	5,456	26	633	6,115	2,020	1,273 + 37†
Parlakimedi Maliahs.	7	492	7	506	..	24	530	..	..
Grand Total, Presidency.	97	16,577	6,359	23,033	473	2,490	25,996	3,298½	3,507½

Note for Fifth Circle.
- (a) Cleared by subordinates free of cost.
- * Excludes 139 miles of boundary due to handing over of ryots' forests to panchayats.
- (c) Excludes 71 do. do.

† Added as per Accountant-General's figures.

Note for Sixth Circle.
- (a) Usual line-clearing attended to by subordinates.
- (b) Includes 18 miles cleared free of cost by subordinates and 16 miles cleared under "Political".
- (c) Reduction of 2 miles in length is due to disforestation of a portion of Shanamangalam Reserve.
- (d) Clearing done in connexion with fire protection.
- (e) Increase of six miles is due to demarcation of boundary necessitated by disforestation.
- (f) Includes 234 miles cleared free of cost by subordinates.
- * Expenditure on demarcation of areas selected for reservation.

ANNUAL FORM No. 28.

Forest Department, Madras Presidency.

Progress made in working plans during 1927–28.

District.	Areas for which working plans have been completed and approved by the Chief Conservator of Forests.		Areas for which working plans are being compiled or have been compiled but not sanctioned.		Areas for which working plans have still to be taken in hand.	Areas for which working plans are not required at present.	Total forest area as per Form No. 25.
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
FIRST CIRCLE.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS
Reserved forests.							
Ganjam	625	..	..	..	..	..	625
Vizagapatam ..	(a) 218	1	..	..	39	49	307
Upper Godavari ..	..	..	..	..	830	..	830
Lower do. ..	396	..	..	..	107	66	569
Guntur	..	..	408	..	..	513 (b) −6	915
Nellore	(a) 92	..	(c) 39	..	278	410	819
Total ..	1,331	1	447	..	1,254	1,032	4,065
Reserved lands.							
Vizagapatam ..	..	..	..	..	..	2	2
Guntur	..	..	..	..	..	1	1
Total ..	..	..	..	..	..	3	3
SECOND CIRCLE.							
Anantapur	101	..	24 (c)+ 1	..	449	1,212 (b) 8	1,795
Kurnool, East ..	..	..	5	..	881	84	970
Do. South ..	(a) 351	..	..	..	283	19	653
Do. West ..	(a) 228	..	112	..	516	88	944
Cuddapah, North.	63	..	63	..	628	39	793
Do. South ..	112	..	9	..	548	20	689
Total ..	855	..	214	..	3,305	1,470	5,844

Note for First Circle.

(a) Thirty square miles in Vizagapatam and 94 square miles in Nellore were transferred to column 7 as the areas were handed over for panchayats' management. Please see Chief Conservator of Forests, No. 9041/26, dated 16th December 1926.

(b) Disforested.

(c) Eighty-seven square miles were transferred to column 7 as the areas were handed over for the panchayats' management. Please see Chief Conservator of Forests, No. 9041/26, dated 16th December 1926.

Note for Second Circle.

Column 4 represents area of working schemes sanctioned by the Conservator.

Column 7 represents area transferred to panchayats.

(a) Decrease is due to transfer of certain reserves to panchayats.

(b) Eight square miles of Adoni East and West reserves transferred to Adoni Municipality for management.

(c) Represents the area of Idupulapaya Palmyra plantation; the working scheme of which was sanctioned by the Chief Conservator

Progress made in working plans during 1927–28—*cont.*

District.	Areas for which working plans have been completed and approved by the Chief Conservator of Forests.				Areas for which working plans are being compiled or have been compiled but not sanctioned.						Areas for which working plans have still to be taken in hand.	Areas for which working plans are not at present required.	Total forest area as per Form No. 25.
	At commencement of the year.		During the year.		At commencement of the year.			Taken in hand during the year.					
	Regular working plans.	Schemes.	Revised or new working plans.	Revised or new schemes.	Existing working plans.	Existing schemes.	New working plans or schemes.	Existing working plans.	Existing schemes.	New working plans or schemes.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Fourth Circle.	SQ. MS.	SQ. MS.	SQ. MS.	S.MS.	SQ. MS.	S.MS.	S.MS.	SQ. MS.	S.MS.	S MS.	SQ. MS.	SQ. MS.	SQ. MS.
Chittoor	(*d*) 84	..	..	..	..	..	576	..	..	..	..	(*b*) 210	786
Vellore	730	..	..	..	..	..	77	..	..	..	..	310	1,117
Salem, North ..	* 141	..	..	..	..	..	217	..		..	209	11	578
Do. Central ..	(*c*) 475	(*a*) 12	..	..	..	(*a*)47	110	..	..	..	114	154	968
	(*b*) 111											(*b*) 4	
Do. South ..	(*c*) 133	78	..	..	..	..	31	..	..	..	24	(*b*) 107	411
	(*b*) 38												
Total ..	1,628 (*d*)+84	78 (*x*)+12	..	..	..	(*a*)47	1,011	..	..	..	347	796	3,860

Note for Fourth Circle.

* Excludes the area of 5 square miles handed over to panchayats and included in the figures in columns 12 and 13.

(*a*) Included in the figures in column (2)

(*b*) Areas under panchayat management.

(*c*) An area of 13 square miles was transferred from South to Central Salem. An area of 2 square miles in Central Salem was disreserved.

(*d*) Included in the figure in column 8.

Progress made in working plans during 1927–28—*cont.*

District.	Areas for which working plans have been completed and approved by the Chief Conservator of Forests. At commencement of the year.	Areas for which working plans have been completed and approved by the Chief Conservator of Forests. During the year.	Areas for which working plans are being compiled or have been compiled but not sanctioned. At commencement of the year.	Areas for which working plans are being compiled or have been compiled but not sanctioned. Taken in hand during the year.	Areas for which working plans have still to be taken in band.	Areas for which working plans are not at present required.	Total forest area as per Form No. 25.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
FIFTH CIRCLE.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Reserved forests.							
Kollegal ..	(a) 139	..	32	(b) —9 (c) +10	88	687	947
Coimbatore, North.	(d) { 78 (e)–31	..	..	..	..	..	..
	(a) 267	..	..	..	19 {	287 (e) 40	} 872
	(f) 212	..	..	..	..	..	..
Do. South.	(d) 65	..	..	..	25 {	269 (e) 5	} 364
Madura	(d) 386	..	15	..	262 {	(e) 36 2	} 701
Tinnevelly ..	(a) 287	..	..	..	.. {	119 (e) 11	} 417
Tanjore	10	..	..	..	..	..	10
Total ..	1,413	..	47	1	394	1,456	3,311
Leased forests.							
Coimbatore, South.	20	..	..	..	..	7	27
Grand total ..	1,433	..	47	1	394	1,463	3,338
SIXTH CIRCLE.							
Reserved forests.							
Mangalore, North.	(a) 38	..	..	..	321	..	359
Do. South.	(a) 3	..	(b) 2	..	433	..	438
Wynaad	..	..	..	63	..	200	263
Nilambur	108	..	..	..	..	..	108
The Nilgiris ..	113	..	(b) 2	..	..	301	416
Palghat	65 (a) 24 }	*(a) 8	..	..	66	100	263
Total ..	351	8	4	63	820	601	1,847

Note for Fifth Circle.

(a) Areas of temporary working scheme sanctioned by the Conservator.
(b) Scheme for the Araipalayam felling series not approved by the Conservator.
(c) New scheme proposed for the Komarayanur Pole felling series.
(d) Areas of regular working plans in force.
(e) Area of ryots' forests.
(f) Areas of lapsed working plans for extraction of dead sandal trees.

Note for Sixth Circle.

(a) Working scheme approved by the Chief Conservator.
(b) Working scheme approved by the Conservator.
* (a) Relates to areas in Attapadi and Silent Valleys being exploited for sleepers.

Progress made in working plans during 1927–28—*cont.*

District.	Areas for which working plans have been completed and approved by the Chief Conservator of Forests.		Areas for which working plans are being complied or have been complied but not sanctioned.		Areas for which working plans have still to be taken in hand.	Areas for which working plans are not at present required.	Total forest area as per Form No. 25.
	At commencement of the year.	During the year.	At commencement of the year	Taken in hand during the year.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
SIXTH CIRCLE —*cont.*	SQ. MLS.	SQ. MLS.	SQ. MLS	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Reserved lands.							
Mangalore, South ..	..	..	..	..	..	6	6
The Nilgiris ..	75	..	..	..	2	(*d*) 5	82
Total ..	75	..	..	..	2	11	88
Leased forests.							
Nilambur	(*c*) 18	..	..	..	..	..	18
Grand total ..	444	8	4	63	822	612	1,953
Grand total, Presidency—							
Reserved forests.	5,656	9	1,723	64	6,120	5,355	18,927
Reserved lands.	75	..	..	..	2	14	91
Leased forests.	38	..	..	..	..	7	45
Total ..	5,769	9	1,723	64	6,122	5,376	19,063

(*c*) Revised area. (*d*) Todaputta land.

ANNUAL FORM No. 29.

Forest Department, Madras Presidency.

Communications and buildings during 1927–28.

District.	Roads (including bridle-paths and culverts).				Buildings.		Other works.	
	New works.		Repairs.		Cost of new works.	Cost of repairs.	Cost of new works.	Cost of repairs.
	Length.	Cost.	Length.	Cost.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	M. F. CH.	RS.	M. F. CH.	RS.	RS.	RS.	RS.	RS.
FIRST CIRCLE.								
Ganjām	..	220	14 2 0	2,688	1,601	4,240 (a) 1,329	..	135
Vizagapatam ..	8 0 0	1,734	15 3 0	341	413	864 (a) 216	..	7
Gōdāvari, Upper ..	1 1 8	738	26 2 6	607	6,982	1,658 (a) 377	..	86
Do. Lower ..	2 2 2	874	19 7 2	885	3,718	1,805 (a) 349	..	..
Guntūr	..	— 925	18 3 0	2,410	2,987	1,245	..	55
Nellore	0 6 0	84	37 3 0	567	597	2,712 (a) 1,265	..	86
Total ..	12 2 0	2,725	131 4 8	7,498	16,298	16,060	..	369
SECOND CIRCLE.								
Anantapur ..	..	..	12 3 0	901	..	1,887 (a) 1,483	..	289
Kurnool, East ..	..	..	92 0 0	3,617	576	1,945 (a) 546	407	203
Do. South ..	2 0 0	632	72 2 0	4,956	235	1,261 (a) 124	990	62
Do. West ..	8 2 0	200	31 1 0	3,011	1,266	954 (a) 562	45	317
Cuddapah, North ..	1 2 0	324	57 5 0	13,254	3,042	2,516 (a) 725	629	379
Do. South..	0 1 0	50	44 7 0	3,055	4,417	2,905 (a) 529	..	34
Total ..	11 5 0	1,206	310 2 0	18,794	9,536	11,468 (u) 3,969	2,071	1,284
FOURTH CIRCLE.								
Chittoor ..	3 4 0	999	23 2 0 0 3 (c) 0	1,967 (o) 374	12,817	1,962 (a) 798	188	14
Vellore	2 4 0	1,395	83 5 0	3,044	4,552	2,668 (a) 1,616	203	309
Salem, North ..	13 0 0 13 5 (b) 0	2,313	61 1 0	2,719	3,366	2,017 (a) 167	329	176
Do. Central ..	..	..	39 5 0	1,087	2,151	1,752 (a) 961	..	75
Do. South ..	0 4 0	417	57 4 0	1,237	1,493	819 (a) 655	87	88
Total ..	33 1 0	5,124	265 4 0	10,428	24,379	13,415	807	662

Note for First Circle.—(a) Represents cost of establishment.
Note for Second Circle.—(a) Cost of establishment.
Note for Fourth Circle. (a) Represents cost of establishment. (b) Aligning of roads. (c) Improvements to roads.

Communications and buildings during 1927–28—*cont.*

District.	Roads (including bridle-paths and culverts). New works. Length.	Roads: New works. Cost.	Roads: Repairs. Length.	Roads: Repairs. Cost.	Buildings. Cost of new works.	Buildings. Cost of repairs.	Other works. Cost of new works.	Other works. Cost of repairs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
FIFTH CIRCLE.	M. F. CH.	RS.	M. F.	RS.	RS.	RS.	RS.	RS.
Kollegal	1 2 0	384	79 7	2,594	849	1,422 (a) 204	277	29
Coimbatore, North.	0 6 0	(c) 403	64 6	6,822	(c) 659	2,850 (a) 324	..	109
Do. South.	3 1 0	1,283	26 6	1,051	2,815	1,182 (a) 143	..	43 48
	(b)	70		43,647	1,051	1,311	..	
Madura	8 1 0	1,541	405 3	11,892	179	3,125	..	204
Tinnevelly ..	7 5 0	1,465	34 4	4,809 (a) 207	1,331	2,816 (a) 487	..	69
Tanjore	..	..	..	..	..	130	..	..
Total ..	20 7 0 (b)	5,076 70	611 2	27,375 43,647	5,833 1,051	12,683 1,311	277	454 48
SIXTH CIRCLE.								
Mangalore, North.	..	..	14 2	906	1,397	927	722	60
Do. South.	(a)17 0 0	7,081	12 0	508	* 376 + 4,071	958	207	80
Wynaad	8 3 0	1,811	179 6	5,272	16,206	1,696	779	820
Nilambur	..	..	17 1	(b) 2,082	..	(c) 1,848	..	76
The Nilgiris ..	..	..	92 7	2,096	699	1,722	..	21
Palghat	(d)28 1 0	4,210	(e) 158 2	(e) 7,670	4,556	1,440	..	104
Total ..	53 4 0	13,102	474 2	18,534	27,305	8,591	1,708	1,161
FOREST ENGINEERING BRANCH.								
Forest Engineer's Division, Madras.	..	..	34·88	† 53,326	1,49,958	479	17,033	831
Forest Engineer, Saw Mills and Extraction Division, Olavakkot..	5·3	8,993	1·88	2,420	..	600	..	..
Logging Engineer's Division, Ootacamund	..	..	..	..	..	1,882	..	..

Note for Fifth Circle.
- (a) Cost of establishment.
- (b) Charges in the Mount Stuart Commercial concern.
- (c) Rupees 230 is reported to have been erroneously debited to roads instead of to buildings.

Note for Sixth Circle.
- (a) Includes inspection and drag paths 7 miles.
- (b) Includes cost of timber and hire of livestock employed : 236.
- (c) Do. do. 274.
- (d) Paths.
- (e) Includes inspection paths 141 miles repaired at a cost of Rs. 1,390.
- * Cost of acquisition of land for the Kasargod timber depot.

Forest Engineering Branch. † Expenditure on Olavakkot–Elival Road and Sethumadi–Amarampalam Road relating to Chenat Nair and Mount Stuart Forest Commercial concerns respectively.

Communications and buildings during 1927-28—*cont.*

District.	Roads (including bridle-paths and culverts).				Buildings.		Other works.	
	New works.		Repairs.		Cost of new works.	Cost of repairs.	Cost of new works.	Cost of repairs.
	Length.	Cost.	Length.	Cost.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	M. F. CH.	RS.	M. F. CH.	RS.	RS.	RS.	RS.	RS.
FOREST ENGINEERING BRANCH—*cont.*								
Forest Utilization Division, Madras.	..	..	..	..	22	..	..	..
Total ..	5·3	8,993	36·76	55,746	1,49,980	2,961	17,033	831
Parlakimedi Maliahs	..	..	..	..	254	106	..	8
Grand total, Presidency	136 5 4	36,297	1,829 4 9	1,82,021	2,34,968	70,550	21,896	4,817

ANNUAL FOREST No. 30.

Forest Department, Madras Presidency.

Return of breaches of Forest Rules during 1927–28.

ANNUAL FORM No. 30.

Forest Department, Madras Presidency.

Return of breaches of Forest Rules during 1927–28.

District.	Cases pending from 1926–27.	New cases of the year. Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences.	Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	Cases pending at close of year.
FIRST CIRCLE.														
By Forest Officers.														
Ganjām .. A ..	10	2	34	9	3	48	58	24	83	14	59	38	142	20
B ..	70	1	384	46	19	450	520	372	1,233	46	226	418	1,459	102
C ..	..	71	7	..	..	78	..	..	..	..	..	..	..	..
Total ..	80	74	425	55	22	576	578	396	1,316	60	285	456	1,601	122
Vizagapatam. A ..	1	1	26	3	1	31	32	14	101	7	13	21	114	11
B ..	36	1	226	21	7	255	291	232	830	10	73	242	903	49
C ..	..	..	1	..	..	1	..	..	..	..	..	..	..	..
Total ..	37	2	253	24	8	287	323	246	931	17	86	263	1,017	60
Gōdāvari, Upper. A ..	4	2	34	1	4	41	45	31	103	..	..	31	103	14
B ..	12	2	45	3	11	61	73	72	217	1	1	73	218	..
C ..	..	..	5	..	4	9	..	..	..	..	..	..	..	..
Total ..	16	4	84	4	19	111	118	103	320	1	1	104	321	14
Gōdāvari, Lower. A ..	22	..	32	8	3	43	65	40	70	6	47	46	117	19
B ..	37	..	182	85	47	314	351	243	562	27	55	270	617	81
C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	59	..	214	93	50	357	416	283	632	33	102	316	734	100

Guntūr	A ..	163	..	74	32	12	118	281	78	169	164	498	242	667	39
	B ..	268	..	589	380	87	1,056	1,324	1,055	2,407	15	41	1,070	2,448	254
	C ..	..	..	10	..	3	13	..	..	..	..	..	..	..	..
	Total ..	431	..	673	412	102	1,187	1,605	1,133	2,576	179	539	1,312	3,115	293
Nellore ..	A ..	153	..	195	69	..	264	417	32	67	275	879	307	946	110
	B ..	126	..	216	163	..	379	505	429	878	19	74	448	952	57
	C .	..	..	1	5	..	6	..	..	..	..	..	..	..	..
	Total ..	279	..	412	237	..	649	922	461	945	294	953	755	1,898	167
Total	A ..	352	5	395	122	23	546	898	219	593	466	1,496	685	2,089	213
	B ..	549	4	1,642	698	171	2,515	3,064	2,403	6,127	118	470	2,521	6,597	543
	C ..	..	71	24	5	7	107	..	..	..	..	..	..	..	..
	Total ..	902	80	2,061	825	201	3,167	3,962	2,622	6,720	584	1,966	3,206	8,686	756
By Revenue Officers.															
Ganjam ..	A ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	B ..	..	..	2	..	..	2	2	2	2	..	..	2	2	..
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	..	..	2	..	..	2	2	2	2	..	..	2	2	..
Vizagapatam.	A ..	..	..	7	..	..	7	7	7	23	..	..	7	23	..
	B ..	6	..	275	27	10	312	318	279	1,059	20	27	299	1,086	19
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	6	..	282	27	10	319	325	286	1,082	20	27	306	1,109	19
Godavari, Lower.	A ..	..	..	1	..	..	1	1	1	1	..	..	1	1	..
	B ..	5	..	26	..	1	27	32	32	37	..	..	32	37	..
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	5	..	27	..	1	28	33	33	38	..	..	33	38	..
Guntur ..	A ..	..	..	27	3	15	45	45	18	24	9	26	27	50	18
	B ..	81	1	290	1	28	320	401	337	772	56	124	393	896	8
	C ..	..	..	2	..	..	2	..	..	..	..	..	..	..	..
	Total ..	81	1	319	4	43	367	446	355	796	65	150	420	946	26

Return of breaches of Forest Rules during 1927–28—*cont.*

District.		Cases pending from 1926–27.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
									Convictions.		Acquittals.		Total.		
			Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences.	Total new cases of the year.		Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
FIRST CIRCLE—*cont.*															
***By Revenue Officers*—cont.**															
Nellore	A	18	..	99	3	..	102	120	60	106	55	116	115	222	5
	B	104	..	394	..	3	397	501	184	275	201	337	385	612	116
	C	..	..	32	..	..	32	..	..	..	..	..	..	..	..
Total		122	..	525	3	3	531	621	244	381	256	453	500	834	121
Total	A	18	..	134	6	15	155	173	86	154	64	142	150	296	23
	B	196	1	987	28	42	1,058	1,254	834	2,145	277	488	1,111	2,633	143
	C	..	..	34	..	..	34	..	..	..	..	..	..	..	..
Total		214	1	1,155	34	57	1,247	1,427	920	2,299	341	630	1,261	2,929	166
Grand Total.	A	371	5	529	128	38	700	1,071	305	747	530	1,638	835	2,385	236
	B	745	5	2,629	726	213	3,573	4,318	3,237	8,272	395	958	3,632	9,230	686
	C	..	71	58	5	7	141	..	..	..	..	..	..	..	..
Total		1,116	81	3,216	859	258	4,414	5,389	3,542	9,019	925	2,596	4,467	11,615	922
SECOND CIRCLE.															
Reserves under the control of the Forest Department.															
Anantapur.	A	72	1	69	34	14	118	190	148	416	14	52	162	468	28
	B	121	..	287	172	77	536	657	587	1,231	27	90	614	1,321	43
	C	..	78	36	..	..	114	..	..	..	..	..	..	..	..
Total		193	79	392	206	91	768	847	735	1,647	41	142	776	1,789	71

Kurnool, East.	A ..	44	..	46	26	5	77	121	46	134	71	243	117	377	4
	B ..	36		200	123	13	336	372	291	784	11	24	302	808	70
	C ..	..	23	23	..	1	47	..	..	..	..	..	..	..	..
	Total ..	80	23	269	149	19	460	493	337	918	82	267	419	1,185	74
Kurnool, South.	A ..	29	..	55	20	1	76	105	50	198	45	113	95	311	10
	B ..	40	..	254	59	9	322	362	299	661	13	49	312	710	50
	C ..	..	60	12	..	..	72	..	..	..	..	..	..	..	..
	Total ..	69	60	321	79	10	470	467	349	859	58	162	407	1,021	60
Kurnool, West.	A ..	80	..	62	42	1	105	185	131	380	45	120	176	500	9
	B ..	141	..	413	225	11	649	790	613	1,371	38	124	651	1,495	139
	C ..	..	29	24	..	..	53	..	..	..	..	..	..	..	..
	Total ..	221	29	499	267	12	807	978	744	1,751	83	244	827	1,995	148
Cuddapah, North.	A ..	28	1	130	22	14	167	195	96	183	93	189	189	372	6
	B ..	30	1	196	53	28	278	308	272	565	15	40	287	605	21
	C ..	..	..	22	..	..	22	..	..	..	..	..	..	..	..
	Total ..	58	2	348	75	42	467	503	368	748	108	229	476	977	27
Cuddapah, South.	A ..	24	..	97	20	8	125	149	108	207	36	118	144	325	5
	B ..	21	..	221	57	26	304	325	248	486	22	76	270	562	55
	C ..	..	..	24	1	..	25	..	..	..	..	..	..	..	..
	Total .	45	..	342	78	34	454	474	356	693	58	194	414	887	60
Total for the Circle.	A ..	277	2	459	164	43	668	945	579	1,518	304	835	883	2,353	62
	B ..	389	1	1,571	689	164	2,425	2,814	2,310	5,098	126	403	2,436	5,501	378
	C ..	..	190	141	1	1	333	..	..	..	..	..	..	..	..
Grand Total ..		666	193	2,171	854	208	3,426	3,759	2,889	6,616	430	1,238	3,319	7,854	440

A = Cases taken to Court. B = Cases compounded. C = Cases undetected.

Return of breaches of Forest Rules during 1927–28—*cont.*

District.		Cases pending from 1926–27.	New cases of the year. Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences	Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Persons.	Acquittals. Cases	Persons.	Total. Cases.	Persons.	Cases pending at close of year.
							Second Circle—*cont.*								
							Reserves under the control of the Forest Panchayats.								
Ananta-pur.	A ..	5	1	67	42	..	110	115	44	95	35	71	79	166	36
	B ..	76	..	385	290	10	685	761	691	1,170	5	5	696	1,175	65
	C ..	..	..	1	..	..	1	..	..	..	..	..	..	..	..
	Total ..	81	1	453	332	10	796	876	735	1,265	40	76	775	1,341	101
Kurnool, East.	A ..	..	..	2	7	2	11	11	..		10	36	10	36	1
	B ..	6	..	6	25	1	32	38	38	63	..	..	38	63	..
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	6	..	8	32	3	43	49	38	63	10	36	48	99	1
Kurnool, South.	A ..	..	..	1	..	..	1	1	1	19	..	..	1	19	..
	B ..	..	..	6	4	..	10	10	8	11	2	3	10	14	..
	C ..	..	..	1	.	..	1	..	..	..	..	..	..	..	..
	Total ..	.	..	8	4	..	12	11	9	30	2	3	11	33	..
Kurnool, West.	A ..	3	1	14	11	..	26	29	22	39	1	1	23	40	6
	B ..	2	.	78	41	..	119	121	110	135	5	5	115	140	6
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	5	1	92	52	..	145	150	132	174	6	6	138	180	12
Cuddapah, North.	A ..							Nil.							
	B ..														
	C ..														

Cuddapah, South.	A ..	..	..	2	4	..	6	6	6	6	..	..	6	6	..
	B ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	..	..	2	4	..	6	6	6	6	..	..	6	6	..
Total for the Circle.	A ..	8	2	84	60	2	148	156	67	153	46	108	113	261	43
	B ..	84	..	477	364	11	852	936	853	1,385	12	13	865	1,398	71
	C ..	..	..	2	..	..	2	..	..	..	..	..	..	..	..
Grand total ..		92	2	563	424	13	1,002	1,092	920	1,538	58	121	978	1,659	114
Unreserves.															
Ananta-pur.	A ..	8	..	50	..	3	53	61	23	44	22	32	45	76	16
	B ..	111	1	447	..	34	482	593	526	922	6	9	532	931	61
	C ..	..	..	12	..	..	12	..	..	..	..	..	..	..	..
	Total ..	119	1	509	..	37	547	654	549	966	28	41	577	1,007	77
Kurnool, East.	A ..	..	..	18	..	..	18	18	5	7	10	22	15	29	3
	B ..	15	..	42	..	1	43	58	35	54	20	34	55	88	3
	C ..	..	..	1	..	..	1	..	..	..	..	..	..	..	..
	Total ..	15	..	61	..	1	62	76	40	61	30	56	70	117	6
Kurnool, South.	A ..	..	..	8	..	..	8	8	3	3	2	4	5	7	3
	B ..	8	..	44	2	14	60	68	46	116	22	56	68	172	..
	C ..	..	..	6	8	..	14	..	..	..	..	..	..	..	..
	Total ..	8	..	58	10	14	82	76	49	119	24	60	73	179	3
Kurnool, West.	A ..	5	3	27	9	3	42	47	33	56	2	3	35	59	12
	B ..	4	3	145	53	7	208	212	210	353	..	..	210	353	2
	C ..	..	..	5	..	2	7	..	..	..	..	..	..	..	..
	Total ..	9	6	177	62	12	257	259	243	409	2	3	245	412	14

Return of breaches of Forest Rules during 1927–28—*cont.*

District.	Casesp ending from 1926–27.	New cases of the year. Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences.	Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	Cases pending at close of year.
SECOND CIRCLE—*cont.*														
***Unreserves*—cont.**														
Cuddapah, North B.	..	..	33	..	1	34	34	34	43	..	..	34	43	..
Cuddapah, South B.	..	..	39	5	..	44	44	44	53	..	..	44	53	..
Total for the Circle. A ..	13	3	103	9	6	121	134	64	110	36	61	100	171	34
Total for the Circle. B ..	138	4	750	60	57	871	1,009	895	1,541	48	99	943	1,640	66
Total for the Circle. C ..	..	..	24	8	2	34	..	..	..	..	..	..	..	..
Total ..	151	7	877	77	65	1,026	1,143	959	1,651	84	160	1,043	1,811	100
Reserves under the control of the Forest Department.														
Total for the Circle. A ..	277	2	459	164	43	668	945	579	1,518	304	835	883	2,353	61
Total for the Circle. B ..	389	1	1,571	689	164	2,425	2,814	2,310	5,098	126	403	2,436	5,501	378
Total for the Circle. C ..	..	190	141	1	1	333	..	..	..	..	..	..	..	..
Total ..	666	193	2,171	854	208	3,426	3,759	2,889	6,616	430	1,238	3,319	7,854	440
Reserves under the control of the Forest Panchayat.														
Total for the Circle. A ..	8	2	84	60	2	148	156	67	153	46	108	113	261	43
Total for the Circle. B ..	84	..	477	364	11	852	936	853	1,385	12	13	865	1,398	72
Total for the Circle. C ..	..	..	2	..	..	2	..	..	..	..	..	..	..	..
Total ..	92	2	563	424	13	1,002	1,092	920	1,538	58	121	978	1,659	114

Unreserves.

Total for the Circle.	A ..	13	3	103	9	6	121	134	64	110	36	61	100	171	34
	B ..	138	4	750	60	57	871	1,009	895	1,541	48	99	943	1,640	66
	C ..	..	..	24	8	2	34	..	..	.	..	..	..	..	..
Total ..		151	7	877	77	65	1,026	1,143	959	1,651	84	160	1,043	1,811	100
Grand total for the Circle.	A ..	298	7	646	233	51	937	1,235	710	1,781	386	1,004	1,096	2,785	139
	B ..	611	5	2,798	1,113	232	4,148	4,759	4,058	8,024	186	515	4,244	8,539	515
	C .	..	190	167	9	3	369	..	..	..	..	..	..	..	..
Total ..		909	202	3,611	1,355	286	5,454	5,994	4,768	9,805	572	1,519	5,340	11,324	654

FOURTH CIRCLE.

Reserves.

Chittoor ..	A ..	66	..	161	57	18	236	302	128	240	134	272	262	512	40
	B ..	75	1	338	188	41	568	643	532	968	39	78	571	1,046	72
	C ..	..	74	9	..	..	83	..	..	..	..	..	..	..	..
Total ..		141	75	508	245	59	887	945	660	1,208	173	350	833	1,558	112
Vellore ..	A ..	59 }	E ..	55	12	2	69	128	99	214	5	31	104	245	24
	B ..	455 }	1	1,241	465	9	1,716	2,171	1,745	3,252	46	80	1,791	3,332	380
	C ..	..	..	18	..	..	18	..	..	..	..	..	..	..	..
Total ..		E 514	1	1,314	477	11	1,803	2,299	1,844	3,466	51	111	1,895	3,577	404
Salem North.	A ..	15	..	24	7	1	32	47	34	75	6	17	40	92	7
	B ..	74	..	304	119	21	444	518	444	962	27	38	471	1,000	47
	C ..	..	104	..	..	..	104	..	..	..	..	..	..	..	..
Total ..		(E) 89	104	328	126	22	580	565	478	1,037	33	55	111	1,092	54
Salem Central.	A .	283	2	287	16	..	305	588	428	1,281	12	62	553	1,532	35
											* 113	* 189			
	B ..	159	..	875	199	30	1,104	1,263	1,201	2,593	10	26	1,211	2,619	52
	C ..	.	156	32	..	..	188	..	..	..	..	..	..	..	..
Total ..		(E) 442	158	1,194	215	30	1,597	1,851	1,629	3,874	135	277	1,764	4,151	87

A=Cases taken to court. B=Cases compounded. C=Cases undetected.

* Cases withdrawn.

Return of breaches of Forest Rules during 1927–28—*cont.*

District.		Cases pending from 1926–27.	New cases of the year. Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences.	Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons	Total. Cases.	Total. Persons.	Cases pending at close of year.
							FOURTH CIRCLE—*cont.*								
							***Reserves*—cont.**								
Salem South.	A ..	192	..	255	17	23	295	487	436	1,203	5 }	63 }	459	1,377	28
											* 18 }	111 }			
	B ..	40	..	263	57	15	335	375	326	670	43	105	369	775	6
	C ..	..	35	15	..	..	50	..	..	..	..	..	..	..	..
Total ..		(E) 232	35	533	74	38	680	862	762	1,873	66	279	828	2,152	34
	A ..	615	2	782	109	44	937	1,552	1,125	3,013	293	745	1,418	3,758	134
	B ..	803	2	3,021	1,028	116	4,167	4,970	4,248	8,445	165	327	4,413	8,772	557
	C ..	..	369	74	..	..	443	..	..	..	..	..	..	..	..
Grand total ..		(D) 1,418	373	3,877	1,137	160	5,547	6,522	5,373	11,458	458	1,072	5,831	12,530	691
							Unreserves.								
Chittoor ..	A ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	B ..	..	..	211	46	3	260	260	260	260	..	..	260	260	..
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..		..	..	211	46	3	260	260	260	260	..	..	260	260	..

Vellore ..	A ..	9	..	26	1	2	29	38	1	11	30	50	31	61	7
	B ..	153	3	1,154	218	73	1,448	1,601	654	873	612	900	1,266	1,773	335
	C ..	2	..	6	..	3	9	..	..	..	..	..	..	..	..
Total ..		164	3	1,186	219	78	1,486	1,639	655	884	642	950	1,297	1,834	342
Salem North.	A ..	12	..	51	..	..	51	63	27	44	32	42	59	86	4
	B ..	135	..	288	3	1	292	427	413	517	9	11	422	528	5
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..		147	..	339	3	1	343	490	440	561	41	53	481	614	9
Salem Central.	A ..	1	..	7	..	..	7	8	7	7	1	1	8	8	..
	B ..	324	..	292	..	..	292	616	128	177	118	173	246	350	370
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..		325	..	299	..	..	299	624	135	184	119	174	254	358	370
Salem South.	A ..	68	..	124	..	..	124	192	142	201	18	34	160	235	32
	B ..	102	..	498	..	7	505	607	498	700	5	10	503	710	104
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..		170	..	622	..	7	629	799	640	901	23	44	663	945	136
Total ..	A ..	90	..	208	1	2	211	301	177	263	81	127	258	390	43
	B ..	714	3	2,443	267	84	2,797	3,511	1,953	2,527	744	1,094	2,697	3,621	814
	C ..	2	..	6	..	3	9	..	..	..	..	..	..	..	..
Grand Total ..		D 806	3	2,657	268	89	3,017	3.812	2,130	2,790	825	1,221	2,955	4,011	857

A=Cases taken to court. B=Cases compounded. C=Cases undetected.

Grand total—D.—The difference in the opening balance (reserves and unreserves) is due to correct figure furnished by Revenue Divisional Officer (South Salem division), i.e., 63 cases relating to unreserves.

E.—The difference in the total figure of each of the districts as compared respectively with the closing balance of 1926–27 is due to the exclusion of figures relating to unreserves and to the following transfers :—92 cases from A to B in Vellore.
10 ,, B to A in North Salem.
146 ,, B to A in Central Salem.
88 ,, B to A in South Salem.
* Cases withdrawn.

Return of breaches of Forest Rules during 1927–28—*cont.*

District.		Cases pending from 1926–27.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
FIFTH CIRCLE.															
Reserves.															
Kollegal.	A ..	34	4	89	40	8	141	175	34	73	105	358	139	431	36
	B ..	23	..	164	76	22	262	285	194	383	42	142	236	525	49
	C ..	..	51	4	..	..	55	..	..	..	..	..	..	..	..
Total ..		57	55	257	116	30	458	460	228	456	147	500	375	956	85
Coimbatore, North.	A ..	25	2	195	39	6	242	267	237	489	2	8	239	497	28
	B ..	9	..	286	119	10	415	424	380	1,092	44	252	424	1,344	..
	C ..	..	..	1	..	..	1	..	..	..	..	..	..	..	..
Total ..		34	2	482	158	16	658	691	617	1,581	46	260	663	1,841	28
Coimbatore, South.	A ..	29	5	116	14	8	143	172	139	387	5	18	144	405	28
	B ..	13	1	129	30	17	177	190	169	389	14	83	183	472	7
	C ..	..	..	3	1	..	4	..	.	..	..	..	..	..	..
Total ..		42	6	248	45	25	324	362	308	776	19	101	327	877	35
Madura ..	A ..	720	1	1,011	137	26	1,175	1,895	840	2,969	516	1,729	1,356	4,698	539
	B ..	30	3	331	102	11	447	477	283	592	44	151	327	743	150
	C ..	..	129	..		..	129	..	..	..	..	..	..	..	..
Total ..		750	133	1,342	239	37	1,751	2,372	1,123	3,561	560	1,880	1,683	5,441	689

Tinnevelly A	137	1	207	44	1	253	390	70	127	257	399	327	526	63
Tinnevelly B	171	..	366	81	14	461	632	184	378	305	381	489	759	143
Tinnevelly C	..	..	2	..	..	2	..	..	..	..	..	..	..	..
Total	308	1	575	125	15	716	1,022	254	505	562	780	816	1,285	206
Tanjore A	..	..	1	..	2	3	3	3	..	..	..	..	..	..
Tanjore B	..	..	8	55	33	96	96	96	..	..	..	..	..	..
Tanjore C	..	..	8	1	..	9	9	9	..	..	..	..	..	..
Total	..	..	17	56	35	108	108	108	..	..	..	..	..	..
Total A	945	13	1,619	274	51	1,957	2,902	1,323	4,045	885	2,512	2,208	6,557	694
Total B	246	4	1,292	464	107	1,867	2,113	1,315	2,834	449	1,009	1,764	3,843	349
Total C	..	180	10	1	..	191	..	..	..	..	..	..	..	..
Grand Total	1,191	197	2,921	739	158	4,015	5,015	2,638	6,879	1,334	3,521	3,972	10,400	1,043

Unreserves.

Coimbatore, North. A	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Coimbatore, North. B	5	2	216	15	9	242	247	245	364	1	1	246	365	1
Coimbatore, North. C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	5	2	216	15	9	242	247	245	364	1	1	246	365	1
Coimbatore, South. A	2	1	5	..	..	6	8	6	10	..	..	6	10	2
Coimbatore, South. B	6	..	38	..	..	38	44	43	50	..	..	43	50	1
Coimbatore, South. C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	8	1	43	..	..	44	52	49	60	..	..	49	60	3
Madura A	87	..	232	7	1	240	327	112	238	135	157	247	395	80
Madura B	103	..	461	5	11	477	580	459	545	5	16	464	561	116
Madura C	..	..	14	2	..	16	16	..	..	10	..	10	..	6
Total	190	..	707	14	12	733	923	571	783	150	173	721	956	202

A = Cases taken to court. B = Cases compounded. C = Cases undetected.

Return of breaches of Forest Rules during 1927–28—*cont.*

District.		Cases pending from 1926–27.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
FIFTH CIRCLE—*cont.*															
Unreserves—cont.															
Tinnevelly	A ..	5	..	74	5	3	82	87	45	76	38	88	83	164	4
	B ..	166	..	210	36	47	293	459	..	..	399	656	399	656	60
	C ..	..	..	9	..	1	10	..	..	..	..	..	..	..	..
Total ..		171	..	293	41	51	385	546	45	76	437	744	482	820	64
Kollegal ..	B ..	..	2	77	..	..	79	79	65	115	6	14	71	129	8
Grand total.	A ..	94	1	311	12	4	328	422	163	324	173	245	336	569	86
	B ..	280	4	1,002	56	67	1,129	1,409	812	1,074	411	687	1,223	1,761	186
	C ..	..	..	23	2	1	26	..	..	..	..	..	..	..	..
Total ..		374	5	1,336	70	72	1,483	1,831	975	1,398	584	932	1,559	2,330	272
Grand Total ..		1,565	202	4,257	809	230	5,498	6,846	3,613	8,277	1,918	4,453	5,531	12,730	1,315

NOTE.—Figures for unreserves in Tanjore are excluded as the Revenue Divisional officer has not furnished correct figures. He has been reminded.

District.		Cases pending from 1926–27.	Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences.	Total new cases of the year.	Total cases.	Convictions: Cases.	Convictions: Persons.	Acquittals: Cases.	Acquittals: Persons.	Total: Cases.	Total: Persons.	Cases pending at close of year.
SIXTH CIRCLE.															
Reserved Forest.															
Mangalore, North.	A ..	(b) 2	..	4	1	..	5	7	6	6	..	..	6	6	1
	B ..	(b) 8	1	75	18	4	98	106	84	160	(a) 4	4	88	164	18
	C ..	..	32	..	..	..	32	..	..	..	..	..	..	..	..
Total ..		10	33	79	19	4	135	113	90	166	4	4	94	170	19

Mangalore, South.	A ..	(b) 17	1	19	8	5	33	50	16	27	(c) 20	50	36	77	14
	B ..	(b) 15	15	90	50	25	180	195	158	319	(a) 2	4	160	323	35
	C ..	..	28	..	..	..	28	..	..	..	..	..	..	..	..
	Total ..	32	44	109	58	30	241	245	174	346	22	54	196	400	49
Wynaad ..	A ..	1	..	..	..	..	..	1	1	1	..	..	1	1	..
	B ..	..	..	6	2	8	16	16	10	18	(a) 5	(d) ..	15	18	1
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	1	..	6	2	8	16	17	11	19	5	..	16	19	1
Nilambur.	A ..	(b) 3	..	2	15	1	18	21	3	4	(c) 12	72	15	76	6
	B ..	(b) 4	1	..	46	9	56	60	49	187	(a) 7	16	56	206	4
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	7	1	2	61	10	74	81	52	191	19	88	71	282	10
The Nilgiris.	A ..	1	..	2	..	1	3	4	2	15	2	3	4	18	..
	B ..	66	2	271	113	32	418	484	381	931	26	56	407	987	77
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	67	2	273	113	33	421	488	383	946	28	59	411	1,005	77
Palghat ..	A ..	(b) 23	..	15	2	5	22	45	31	99	(e) 3	9	34	108	11
	B ..	(b) 38	..	102	40	9	151	189	158	339	29	42	187	381	2
	C ..	..	11	..	..	..	11	..	..	..	..	..	..	..	..
	Total ..	61	11	117	42	14	184	234	189	438	32	51	221	489	13

A = Cases taken to Court. B = Cases compounded. C = Cases undetected.

(a) Cases withdrawn.
(b) Differences between the closing balance of 1926–27 and the opening balance of 1927–28 are due to the transfer of cases from one head to another.
(c) Acquitted by magistrate after payment of compounding fees in Court.
(d) The number of persons in respect of these five cases not furnished.
(e) Acquitted by magistrate for want of evidence.

Return of breaches of Forest Rules during 1927–28—*cont.*

District.		Cases pending from 1926-27.	New cases of the year. Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences.	Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	Cases pending at close of year.
SIXTH CIRCLE—*cont.*															
***Reserved Forest*—cont.**															
Total, VI Circle.	A ..	47	1	42	26	12	81	128	59	152	37	134	96	286	32
	B ..	131	19	544	269	87	919	1,050	840	1,954	73	122	913	2,079	137
	C ..	..	71	..	..	..	71	..	..	..	..	..	..	..	..
Total ..		178	91	586	295	99	1,071	1,178	899	2,106	110	256	1,009	2,365	169
Unreserves.															
Mangalore, North.	A ..	(a) 19	..	28	..	1	29	48	33	39	4	10	37	49	11
	B ..	(a) 21	..	140	..	11	151	172	148	204	..	..	148	204	24
	C ..	..	..	3	..	..	3	..	..	..	..	..	..	..	..
Total ..		40	..	171	..	12	183	220	181	243	4	10	185	253	35
Mangalore, South.	A ..	(a) 13	72	22	..	..	94	107	7	18	(b) 75	76	82	94	25
	B ..	(a) 5	279	82	..	4	365	370	207	216	6	6	213	222	157
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..		18	351	104	..	4	459	477	214	234	81	82	295	316	182
Wynaad.	A ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	B ..	..	2	2	..	..	4	4	..	..	4	4	4	4	..
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..		..	2	2	..	..	4	4	..	..	4	4	4	4	..

The Nilgiris.	A ..	..	..	1	..	..	1	1	..	..	..	..	..	..	1
	B ..	..	..	3	..	..	3	3	2	2	..	..	2	2	1
	C ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	..	..	4	..	..	4	4	2	2	..	..	2	2	2
Palghat ..	A ..	..	..	3	..	..	3	3	1	1	..	..	1	1	2
	B ..	(a) 5	..	111	..	8	119	124	104	183	1	2	105	185	19
	C ..	..	..	1	..	..	1	1	..	..	1	1	1	1	..
	Total ..	5	..	115	..	8	123	128	105	184	2	3	107	187	21
Total, VI Circle.	A ..	32	72	54	..	1	127	159	41	58	79	86	120	144	39
	B ..	31	281	338	..	23	642	673	461	605	11	12	472	617	201
	C ..	..	..	4	..	..	4	1	..	..	1	1	1	1	..
	Total ..	63	353	396	..	24	773	833	502	663	91	99	593	762	240
Total, Reserves and Un-reserves, VI Circle.	A ..	79	73	96	26	13	208	287	100	210	116	220	216	430	71
	B ..	162	300	882	269	110	1,561	1,723	1,301	2,559	84	134	1,385	2,696	338
	C ..	..	71	4	..	..	75	1	..	..	1	1	1	1	..
	Total ..	241	444	982	295	123	1,844	2,011	1,401	2,769	201	355	1,602	3,127	409
Parlakimedi Maliahs.	A ..	12	3	13	2	6	24	36	15	45	20	46	35	91	1
	B ..	43	14	115	12	6	147	190	135	239	29	60	164	299	26
	C ..	..	31	..	..	..	31	..	..	..	..	..	..	..	..
	Total ..	55	48	128	14	12	202	226	150	284	49	106	199	390	27

A = Cases taken to Court. B = Cases compounded. C = Cases undetected.

(a) Differences between the closing balance of 1926–27 and the opening balance of 1927–28 are due to the transfer of cases from one head to another.
(b) Four cases were acquitted by the magistrate for want of evidence and 71 cases were acquitted after payment of compounding fees in Court.

Return of breaches of Forest Rules during 1927–28—*cont.*

District.		Cases pending from 1926-27.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
Total, Departmental forest.	A ..	2,249	26	3,310	697	179	4,212	6,461	3,320	9,366	2,005	5,768	5,325	15,134	1,136
	B ..	2,161	44	8,185	3,160	651	12,040	14,201	11,251	24,697	960	2,391	12,211	27,088	1,990
	C ..	..	912	249	7	8	1,176	..	..	..	..	..	..	..	..
Total ..		4,410	982	11,744	3,864	838	17,428	20,662	14,571	34,063	2,965	8,159	17,536	42,222	3,126
Total, Ryots' forests and un-reserves.	A ..	255	78	894	88	30	1,090	1,345	598	1,062	479	769	1,077	1,831	268
	B ..	1,443	293	5,997	775	284	7,349	8,792	5,808	9,277	1,503	2,393	7,311	11,670	1,481
	C ..	2	..	93	10	6	109	..	..	..	..	..	..	..	..
Total ..		1,700	371	6,984	873	320	8,548	10,137	6,406	10,339	1,982	3,162	8,388	13,501	1,749
Total, Presidency.	A ..	2,504	104	4,204	785	209	5,302	7,806	3,918	10,428	2,484	6,537	6,402	16,965	1,404
	B ..	3,604	337	14,182	3,935	935	19,389	22,993	17,059	33,974	2,463	4,784	19,522	38,758	3,471
	C ..	2	912	342	17	14	1,285	..	..	..	..	..	..	..	..
Grand Total, Presidency.		6,110	1,353	18,728	4,737	1,158	25,976	30,799	20,977	44,402	4,947	11,321	25,924	55,723	4,875

A = Cases taken to Court. B = Cases compounded. C = Cases undetected.

Form No. 31.

Forest Department, Madras Presidency.

Area of forest tracts protected from fire during the calendar year 1927.

District.	Forest tracts.	Area protected during the previous year.	During the year under report. Area attempted to be protected.	Fires.	Actually protected.	Cost during the year under report.
	First Circle.	ACS.	ACS.	ACS.	ACS.	RS.
Ganjām ..	Special protection ..	50,380	51,288	2,270	49,018	3,698
	General do. ..	217,499	217,396	48,989	168,407	2,999
	Total ..	267,879	268,684	51,259	217,425	6,697
Vizagapatam.	Special protection ..	78,214	79,119	5,260	73,859	267
	General do. ..	12,087	17,057	38	17,019	3
	Total ..	90,301	96,176	5,298	90,878	270
Gōdāvari, Upper.	Special protection ..	506,006	528,640	197,247	331,393	3,758
	General do. ..	1,794	2,794	..	2,794	13
	Total ..	507,800	531,434	197,247	334,187	3,771
Gōdāvari, Lower.	Special protection ..	136,596	116,854	13,554	103,300	1,734
	General do. ..	51,660	149,533	4,372	145,161	464
	Total ..	188,256	266,387	17,926	248,461	2,198
Guntūr ..	Special protection ..	..	..	..	..	..
	General do. ..	438,981	391,402	398	391,004	..
	Total ..	438,981	391,402	398	391,004	..
Nellore ..	Special protection ..	163,150	138,682	7,341	131,341	508
	General do. ..	355,466	123,198	54	123,144	..
	Total ..	518,616	261,880	7,395	254,485	508
Total, First Circle.	Special protection ..	934,346	914,583	225,672	688,911	9,965
	General do. ..	1,077,487	901,380	53,851	847,529	3,479
	Grand Total ..	2,011,833	1,815,963	279,523	1,536,440	13,444
	Second Circle.					
Anantapur.	Special protection ..	37,076	837	16	821	67
	General do. ..	524,672	306,824	15,218	291,606	..
	Early burning	110,672	65,350	4,079	61,271	342
	Total ..	672,420	373,011	19,313	353,698	409
Kurnool, East.	General protection ..	545,094	472,767	4,262	468,505	..
	Early burning	42,633	94,396	..	94,396	830
	Total ..	587,727	567,163	4,262	562,901	830
Kurnool, South.	General protection ..	182,280	114,887	1,715	113,172	..
	Early burning	282,621	290,897	19,668	271,229	1,074
	Total ..	464,901	405,784	21,383	384,401	1,074

Area of forest tracts protected from fire during the calendar year 1927—*cont.*

District.	Forest tracts.	Area protected during the previous year.	During the year under report. Area attempted to be protected.	Fires.	Actually protected.	Cost during the year under report.
	Second Circle—cont.	ACS.	ACS.	ACS.	ACS.	RS.
Kurnool, West.	Special protection ..	2,643	3,888	350	3,538	49
	General do. ..	333,351	366,816	1,540	365,276	58
	Early burning	187,862	177,300	875	176,425	876
	Total ..	523,856	548,004	2,765	545,239	983
Cuddapah, North.	General protection ..	18,869	..	..	..	..
	Early burning	449,752	505,406	49,066	456,340	1,127
	Total ..	468,621	505,406	49,066	456,340	1,127
Cuddapah, South.	General protection ..	27,652	16,037	107	15,930	..
	Early burning	418,138	412,097	46,695	365,402	2,024
	Total ..	445,790	428,134	46,802	381,332	2,024
Total, Second Circle.	Special protection ..	39,719	4,725	366	4,359	116
	General do. ..	1,631,918	1,277,331	22,842	1,254,489	58
	Early burning	1,491,679	1,545,446	120,383	1,425,063	6,273
	Grand total ..	3,163,316	2,827,502	143,591	2,683,911	6,447
	Fourth Circle.					
Chittoor ..	Special protection ..	71,330	78,709	5,235	73,474	..
	General do. ..	290,478	290,421	10,335	280,086	..
	Total ..	361,808	369,130	15,570	353,560	..
Vellore ..	Special protection ..	193,328	195,347	11,267	184,080	1,956
	General do. ..	269,592	274,787	8,343	266,444	..
	Total ..	462,920	470,134	19,610	450,524	1,956
Salem, North.	Special protection ..	21,424	64,730	8,403	56,327	530
	General do. ..	322,960	298,336	9,683	288,653	..
	Total ..	344,384	363,066	18,086	344,980	530
Salem, Central.	Special protection ..	280,694	254,533	15,091	239,442	821
	General do. ..	189,257	213,629	2,673	210,956	..
	Total ..	469,951	468,162	17,764	450,398	821
Salem, South.	Special protection ..	149,643	136,162	2,028	134,134	759
	General do. ..	65,753	34,800	253	34,547	..
	Total ..	215,396	170,962	2,281	168,681	759
Total, Fourth Circle.	Special protection ..	716,419	729,481	42,024	687,457	4,066
	General do. ..	1,138,040	1,111,973	31,287	1,080,686	..
	Grand Total ..	1,854,459	1,841,454	73,311	1,768,143	4,066

Area of forest tracts protected from fire during the calendar year 1927—*cont.*

District.	Forest tracts.	Area protected during the previous year.	During the year under report. Area attempted to be protected.	Fires.	Actually protected.	Cost during the year under report.
	Fifth Circle.	ACS.	ACS.	ACS.	ACS.	RS.
Kollegal ..	Special protection ..	1,905	..	..	..	..
	General do. ..	592,420	601,889	14,966	586,923	746
	Total ..	594,325	601,889	14,966	586,923	746
Coimbatore, North.	Special protection ..	2,962	2,967	110	2,857	206
	General do. ..	544,880	* 535,529	21,172	514,357	1,096
	Total ..	547,842	538,496	21,282	517,214	1,302
Coimbatore, South.	Special protection ..	4,379	4,379	70	4,309	1,051
	General do. ..	238,982	239,494	2,282	237,212	108
	Total ..	243,361	243,873	2,352	241,521	1,159
Madura ..	Special protection ..	231,239	229,297	1,222	228,075	2,754
	General do. ..	199,539	197,768 + 10	4,335	193,433 + 10	..
	Total ..	430,778	427,075	5,557	421,518	2,754
Tinnevelly	Special protection ..	134,765	135,537	2,208	133,329	574
	General do. ..	106,818	107,400	2,731	104,669	..
	Total ..	241,583	242,937	4,939	237,998	574
Total, Fifth Circle.	Special protection ..	375,250	372,180	3,610	368,570	4,585
	General do. ..	1,682,639	1,682,090	45,486	1,636,604	1,950
	Grand total ..	2,057,889	2,054,270	49,096	2,005,174	6,535
	Sixth Circle.					
Mangalore, North.	Special protection ..	† 95,414	94,188	638	93,550	2,219
	General do. ..	† 132,529	135,708	528	135,180	237
	Total ..	227,943	229,896	1,166	228,730	2,456
Mangalore, South.	Special protection ..	275,811	280,563	806	279,757	2,295
Wynaad ..	Special protection ..	142,444	143,623	218	143,405	1,025
Nilambur ..	Special protection ..	80,028	80,289	301	79,988	3,203
The Nilgiris.	Special protection ..	73,994	34,535	588	33,947	3,123
	General do. ..	191,998	231,684	581	231,103	..
	Total ..	265,992	266,219	1,169	265,050	3,123
Palghat ..	Special protection ..	115,329	116,772	430	116,342	2,899
	General do. ..	48,507	47,380	415	46,965	..
	Total ..	163,836	164,152	845	163,307	2,899

Note for Fifth Circle.—* The difference of 19,636 acres is due to the fact that Velamundi, Nellimalai, Modur and Pettikuttai were handed over for panchayat management during the year.

Note for Sixth Circle.—† Difference due to the inclusion of areas protected with cleared fire lines but without fire patrols under Special protection in the North Mangalore division which areas were shown in the last return under General protection.

Area of forest tracts protected from fire during the calendar year 1927—*cont.*

District.	Forest tracts.	Area protected during the previous year.	During the year under report.			Cost during the year under report.
			Area attempted to be protected.	Fires.	Actually protected.	
	Sixth Circle—cont.	ACS.	ACS.	ACS.	ACS.	RS.
Total, Sixth Circle.	Special protection ..	* 783,020	749,970	2,981	746,989	14,764
	General do. ..	373,034	414,772	1,524	413,248	237
	Grand total ..	1,156,054	1,164,742	4,505	1,160,239	15,001
Parlakimedi Maliabs.	General protection ..	112,212	113,375	2,278	111,097	632
Total, Presidency.	Special protection ..	2,848,754	2,770,939	274,653	2,496,286	33,496
	General do. ..	6,015,330	5,500,921	157,268	5,343,653	6,356
	Early burning	1,491,679	1,545,446	120,383	1,425,063	6,273
	Grand total, Presidency	10,355,763	9,817,306	552,304	9,265,002	46,125

* Difference due to the inclusion of areas protected with cleared fire lines but without fire patrols under Special protection in the North Mangalore division which areas were shown in the last return under General protection.

Annual Form No. 32.

Forest Department, Madras Presidency.

Area closed and open to grazing during 1927–28.

District.	Closed to all animals.		Open to grazing			
			Of all animals except goats.		Of all animals except browsers (sheep and goats).	
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
First Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Reserved forests.						
Ganjam	100	..	525	..	..	..
Vizagapatam	12	..	204	..	58	..
Godavari, Upper ..	3	..	827	..	..	..
Do. Lower ..	109	..	382	..	..	..
Guntur	56	19	247	..	290	..
Nellore	191	..	37	181	..	..
Total ..	471	19	2,222	181	348	..
Reserved lands.						
Vizagapatam	..	..	2	..	..	..
Guntur	..	..	1	..	..	..
Total ..	..	..	3	..	..	..
Second Circle.						
Anantapur	38	18	1,739	..	..	..
Kurnool, East ..	2	..	968	..	..	..
Do. South ..	20	..	633	..	..	..
Do. West ..	19	..	925	..	..	..
Cuddapah, North ..	101	..	692	..	..	..
Do. South ..	103	..	586	..	..	..
Total ..	283	18	5,543	..	..	..
Fourth Circle.						
Reserved forests.						
Chittoor	122	..	455	..	..	..
Vellore	53	..	690	..	..	..
Salem, North	4	..	563	..	..	..
Do. Central ..	29	..	707	..	..	..
Do. South	6	..	261	..	..	..
Total ..	214	..	2,676	..	..	..

Area closed and open to grazing during 1927–28—*cont.*

District.	Closed to all animals.		Open to grazing			
			Of all animals except goats.		Of all animals except browsers (sheep and goats).	
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
FOURTH CIRCLE—*cont.*	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Reserved lands.						
Chittoor	..	..	..	..	..	..
Vellore	..	..	..	..	..	..
Salem, North ..	..	..	..	..	..	..
Do. Central ..	..	..	6	..	..	..
Do. South ..	..	..	30	..	..	..
Total ..	..	..	36	..	..	..
FIFTH CIRCLE.*						
Reserved forests.						
Kollegal	..	..	947	..	..	..
Coimbatore, North ..	28	3	810	..	..	..
Do. South ..	224	..	162	..	..	..
Madura	127	..	341	..	199	..
Tinnevelly	224	..	144	21	10	9
Tanjore	6	..	4	..	..	..
Total ..	609	3	2,408	21	209	9
SIXTH CIRCLE.						
Reserved forests.						
Mangalore, North ..	22	..	337	..	..	..
Do. South ..	9	1	428	1	..	..
Wynaad	1	..	..	..	262	..
Nilambur	108	..	..	..	..	..
The Nilgiris	23	..	393	..	..	..
Palghat	143	..	110	..	..	..
Total ..	306	1	1,268	1	262	..
Reserved lands.						
Mangalore, South ..	..	..	6	..	..	..
Nilambur	18	..	..	..	..	..
The Nilgiris ..	9	..	73	..	..	..
Total ..	27	..	79	..	..	..
Grand total ..	333	1	1,347	1	262	..
Parlakimedi Maliahs (Reserved lands).	2	..	175	..	..	..
Total, Presidency: Reserved forests.	1,883	41	15,999	203	819	9
Total, Presidency: Reserved lands.	29	..	293	..	..	..
Grand Total, Presidency.	1,912	41	16,292	203	819	9

* Excludes 79 square miles of reserved forests handed over to panchayats.

ANNUAL FORM No. 33.

Forest Department, Madras Presidency.

Return of grazing in the State forests during 1927–28.

District.	Grazing on payment—Number of animals.									
	At enhanced or special rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
FIRST CIRCLE.					RS.					RS.
Reserved forests.										
Ganjam	..	..	..	..	..	(a) 7,094	(a) 36,632	(a) 433	..	9,566
Vizagapatam ..	(b) 241	(b) 3,470	(b) 22	..	1,982	(a) 72	(a) 5,062	..	..	976
Gōdāvari, Upper.	..	..	..	..	..	..	..	..	..	..
Do. Lower.	(c) 8,007	(c) 5,749	..	..	8,154	(a) 481	(a) 8,617	(a) 550	..	1,855
Guntur	(b) 7,451	(b) 48,585	(b) 69,517	..	49,103	(a) 728	(a) 2,938	(a) 5,603	..	1,349
	(c) 379	(c) 1,057	(c) 363	..	749	..	..	..	..	..
	..	(g) 1,516	..	..	1,516	..	..	..	..	..
Nellore					1,089	..	..	..	..	..
	(c) 223	(b) 1,673	(b) 341	..	(f) 22,240	..	..	..	..	..
Total ..	16,281	62,050	70,243	..	84,833	8,365	53,249	6,586	..	13,746
Unreserved lands.										
Gōdāvari, Lower	(c) 6,139	(c) 4,938	..	..	6,456	..	..	..	..	..
Grand Total ..	22,420	66,988	70,243	..	91,289	8,365	53,249	6,586	..	13,746

Return of grazing in the State forests during 1927-28—*cont.*

District.	Grazing on payment—Number of animals—*cont.*						Grazing free—Number of animals.										Total value of fees at full rates.	Grand total of value at full rates.
	At privileged rates.						By right under settlement.					During pleasure of Government or otherwise than under settlement.						
					Fees received.													
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Actual.	Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.		
	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
FIRST CIRCLE.—*cont.* *Reserved forests*—cont.					RS.	RS.					RS.					RS.	RS.	RS.
Ganjām	..	..	..	..	..	..	(*a*) 255	(*a*) 840	(*a*) 250	..	277	(*a*) 8	(*a*) 131	..	..	28	305	9,871
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..	(*a*) 4,231 (*b*) 342	..	..	793 171	793 171	3,922
Gōdāvari, Upper.	(*e*) 3,050	(*e*) 43,865	(*e*) 8,121	..	7,503	11,255	..	..	..	..	..	(*a*) 4,606	(*a*) 40,090	..	..	9,244	9,244	20,499
Do. Lower.	(*d*) 532	(*d*) 13,601	..	..	883	2,750	..	..	..	..	..	(*a*) 873	(*a*) 10,178	..	..	2,236	2,236	14,995
Guntūr	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	52,717
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23,329
Total ..	3,582	57,466	8,121	..	8,386	14,005	255	840	250	..	277	5,487	54,972	..	..	12,472	12,749	1,25,333
Unreserved lands—cont.																		
Gōdāvari, Lower	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,456
Grand Total ..	3,582	57,466	8,121	..	8,386	14,005	255	840	250	..	277	5,487	54,972	..	..	12,472	12,749	1,31,789

Note for First Circle.—

(*a*) Six annas per buffaloe, 3 annas per cow or bullock and 1 anna 6 pies for sheep.
(*b*) One rupee per buffaloe, 8 annas per cow or bullock and 4 annas for sheep.
(*c*) Twelve annas per buffaloe, 6 annas per cow or bullock and 3 annas for sheep.
(*d*) One anna per buffaloe or cow.
(*e*) Four annas per buffaloe, 2 annas per cow or bullock.
(*f*) Kancha fees.
(*g*) One rupee per plough bull.

Abstract of animals permitted to graze on payment in reserved forests and reserved lands in the I Circle.

Buffaloes.	Bullocks and cows.	Sheep.	Total.
34,367	235,482	84,950	354,799

Return of grazing in the State forests during 1927-28—*cont.*

District.	Grazing on payment.—Number of animals.									
	At enhanced or special rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
SECOND CIRCLE.					RS.					RS.
						..	(a) 549	..	..	549
						(b) 796	(b) 17,326	(b) 31,078	..	17,229
						(c) 770	(c) 9,127	(c) 4,368	..	4,819
Anantapur ..	..	..	..	..	..	(d) 2,233	(d) 14,667	(d) 35,397	..	6,906
						..	..	..	..	(e) 8
						..	..	..	..	(f) 64
						..	..	..	..	(g) 215
						(a) 637	(a) 11,427	..	..	12,701
						..	(b) 19,741	(b) 30,652	..	19,506
Kurnool, East ..	..	..	..	..	..	(c) 2,630	..	..	..	
						..	..	..	..	(c) 123
						..	(a) 2,916	..	..	2,916
Do. South ..	..	..	..	..	..	(c) 2,904	(b) 10,953	(b) 21,878	..	13,124
						(a) 34	(a) 5,532	(a) 11	..	5,606
Do. West ..	..	..	..	..	..	(c) 6,733	(b) 29,967	(b) 39,672	..	29,951
						..	..	..	..	(c) 124
Cuddapah, North.	..	..	..	..	..	..	(a) 17,247	..	..	27,841
						(d) 5,305	(d) 14,105	(d) 63,574	..	
						..	(a) 4,504	..		
Cuddapah, South.	..	..	..	..	..	..	(j) 374	..	..	12,338
						(d) 534	(d) 23,584	(d) 31,266		
Total ..	..	..	..	..	..	22,576	182,019	257,896	..	1,54,020

Return of grazing in the State forests during 1927–28—*cont.*

District.	Grazing on payment—Number of animals—*cont.* At privileged rates. Buffaloes. (12)	Cows and bullocks. (13)	Goats and sheep. (14)	Other animals. (15)	Fees received. Actual. (16)	Fees received. Value at full rates. (17)	Grazing free—By right under settlement. Buffaloes. (18)	Cows and bullocks. (19)	Goats and sheep. (20)	Other animals. (21)	Value of fees at full rates. (22)	During pleasure of Government or otherwise than under settlement. Buffaloes. (23)	Cows and bullocks. (24)	Goats and sheep. (25)	Other animals. (26)	Value of fees at full rates. (27)	Total value of fees at full rates. (28)	Grand total of value at full rates. (29)
Second Circle—*cont.*					RS.	RS.					RS.					RS.	RS.	RS.
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	29,790
Kurnool, East.	..	..	..	..	..	..	(a) 257	(a) 275	(a) 1,695	..	1,637	..	..	..	..	..	2,415	34,745
							(a) 166	(a) 346	(a) 200	..	* 778	..	..	..	..	..	..	..
Do. South.	..	..	..	..	..	..	(c) 12	(b) 11	(b) 57	..	29	(c) 34	(b) 121	..	..	86	115	16,155
Do. West.	..	..	..	..	..	..	(c) 255	(b) 875	(b) 1,198	..	928	..	..	..	..	..	928	36,609
Cuddapah, North.	..	(h) 216 (i) 154	(i) 374	..	42	105	..	..	..	..	..	(d) 53	(d) 83	(d) 400	..	73	73	28,019
Cuddapah, South.	..	..	..	..	..	..	..	(d) 588	..	..	110	..	..	..	..	..	110	12,448
Total ..	..	370	374	..	42	105	690	2,095	3,150	..	3,482	87	204	400	..	159	3,641	1,57,766

* The amount relates to the surplus cattle of Chenchus in Kurnool East division not covered by the right at Forest Settlement and steps are being taken to set right the irregularity by getting the Chenchus either to take out permits for the surplus cattle or to get rid of them.

Note for Second Circle—
- (a) Buffaloes at Rs. 2; cows Re. 1; sheep at 8 annas.
- (b) Buffaloes at Re. 1; cows at 8 annas; sheep at 4 annas.
- (c) Buffaloes at 12 annas; cows at 6 annas; sheep at 3 annas.
- (d) Buffaloes at 6 annas; cows at 3 annas; sheep at $1\frac{1}{2}$ annas.
- (e) Seigniorage for grass.
- (f) Kancha fees.
- (g) Penning fees.
- (h) Cows $1\frac{1}{2}$ annas.
- (i) Cows 1 anna; sheep $\frac{1}{2}$ anna.
- (j) Cows at 12 annas.

Return of grazing in the State forests during 1927-28—*cont.*

District.	Grazing on payment—Number of animals. At enhanced or special rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	At full rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
					RS.					RS.
FOURTH CIRCLE.										
Chittoor ..	..	..	..	..	..	(a) 151	12,294	7,271	..	8,116
						(b) 683	31,310	8,099	..	13,774
Vellore	..	2,231	..	..	2,231	(a) 533	70,241	20,896	..	40,878
Salem, North ..	..	..	..	..	..	(b) 1,434	(a) 59,638	2,748	..	(c) 1,591
								1,818	..	(c) 30,273
Do. Central.	..	13,194	..	..	13,194	(d) 164	43,778	7,252	..	26,849
						(e) 442	44,288	22,658	..	26,724
						..	..	(f) 2,955	..	739
						..	10,610	..	..	(g) 1,326
Do. South ..	..	..	..	..	..	(d) 2	19,405	24,100	..	17,696
							(b) 6,272	3,138	..	2,940
Total ..	..	15,425	..	..	15,425	3,412	297,836	100,935	..	1,70,906

Return of grazing in the State forests during 1927–28—*cont.*

District.	Grazing on payment—Number of animals—*cont.* At privileged rates. Buffaloes. (12)	Cows and bullocks. (13)	Goats and sheep. (14)	Other animals. (15)	Fees received. Actual. (16)	Fees received. Value at full rates. (17)	Grazing fees—Number of animals. By right under settlement. Buffaloes. (18)	Cows and bullocks. (19)	Goats and sheep. (20)	Other animals. (21)	Value of fees at full rates. (22)	During pleasure of Government or otherwise than under settlement. Buffaloes. (23)	Cows and bullocks. (24)	Goats and sheep. (25)	Other animals. (26)	Value of fees at full rates. (27)	Total value of fees at full rates. (28)	Grand total of value at full rates. (29)
Fourth Circle—*cont.*					RS.	RS.												RS.
Chittoor ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	21,890
Vellore ..	(*b*) 22 (*h*) 3,779	770 24,408	4 4,055	.. ..	(*i*) 6,618	27,405	..	..	..	..	..	..	..	..	..	..	..	70,514
Salem, North ..	(*c*) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	31,864
Do. Central.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	68,832
Do. South .	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	20,636
Total ..	3,801	25,178	4,059	..	6,618	27,405	..	..	..	..	..	..	..	..	..	..	..	2,13,736

NOTE.— One buffaloe = 2 cows = 4 sheep. The enhanced rate is Re. 1 per cow unit.

The full rates are As. 8 per cow unit in Gudiyattam range and As. 6 per cow unit in other ranges in Chittoor division, As. 8 per cow unit in Vellore division, As. 8 and 6 per cow unit in North Salem, As. 9 and 8 per cow unit in Central Salem and As. 9 and 6 per cow unit in South Salem division.

(*a*) As. 8 per cow unit.
(*b*) As. 6 per cow unit.
(*c*) Excludes Rs. 170 being the value of 512 sheep at As. 3 and 148 cows at As. 8 issued to Varantanapalli reserve (panchayat area).
(*d*) As. 9 per cow unit.
(*e*) As. 12 a buffaloe, As. 8 a cow and As. 3 a sheep.
(*f*) As. 4 a sheep.
(*g*) Grazing assessment for 10,610 cow units in Attur and Harur ranges.
(*h*) As. 3 per cow unit.
(*i*) Excludes Rs. 39-3-0 relating to Chembarai village of Tiruppattur range yet to be adjusted and includes Rs. 91-5-0 being arrears of 1926–27 collected during 1927–28.

Abstract of animals licensed to grazing :—Buffaloes—7,213. Cows or bullocks—3,38,439. Sheep—104,994. Total—450,646.

Return of grazing in the State forests during 1927–28.

District.	Grazing on payment—Number of animals.									
	At enhanced or special rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Sheep.	Other animals.	Fees received.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
FIFTH CIRCLE.					RS.					RS.
Kollegal ..	..	..	..	..	..	(b) 4,863	40,281	1,433	..	46,577
Coimbatore, North.	..	(a) 1,198	1,424	..	1,910	(b) 3,845	63,391 (c) 398	27,149	..	42,328 50
Coimbatore, South.	..	..	..	..	..	(b) 404	9,863	560	(d) 13	5,606
Madura ..	..	..	..	..	..	.. (f) 167 (g) 2	(e) 28,090 6,402 3,317	1,871 4,288 763	.. .. ..	21,769 2,220 3,703
Tinnevelly ..	..	..	..	..	..	(b) 371 (i) 1	10,963 1,615	10,082 6,483	.. ..	(h) 7 8,373 911
Tanjore ..	(j) 14	296	..	..	324	..	..	..	..	..
Total ..	14	1,494	1,424	..	2,234	9,653	164,320	52,629	13	1,31,544

Note for Fifth circle—

(a) Penal rates at Rs. 2 per buffalo, Re. 1 per cow or bullock and As. 8 per sheep.
(b) Full or nominal rates for three divisions of Coimbatore and for all ranges in Tinnevelly district, excepting old Tinnevelly range now merged with Nanguneri range at Re. 1 per buffalo, As. 8 per cow or bullock and As. 4 per sheep.
(c) Renewal fees realized at one-fourth of the full rates.
(d) Elephants at Rs. 10 each.
(e) Full or nominal rates for all ranges in Madura district except a portion of Kodaikanal range at Rs. 1-8-0 per buffalo, As. 12 per cow or bullock and As. 6 per sheep.
(f) Full or nominal rates for a portion of Kodaikanal range at As. 8 per buffalo, As. 4 per cow or bullock and As. 2 per sheep.
(g) Full or nominal rates at Rs. 2 per buffaloe, Re. 1 per cow or bullock and As. 8 per sheep for the Old Vaiyampatti range now merged with Ayyalur range in Madura district.
(h) Fees realized by issue of permits for lost ones at As. 4 per head.
(i) Full or nominal rates at As. 6 per buffalo, As. 3 per cow or bullock and As. 1-6 per sheep for portion (old Tinnevelly range) of Nanguneri range in [Tinnevelly district.
(j) Penal rates realized in Tanjore at Rs. 2 per buffalo, Re. 1 per cow or bullock and As. 8 per sheep.

Return of grazing in the State forests during 1927-28—*cont.*

District.	Grazing on payment—Number of animals—*cont.* At privileged rates. Buffaloes. (12)	Cows and bullocks. (13)	Sheep. (14)	Other animals. (15)	Fees received. Actual. (16)	Fees received. Value at full rates. (17)	Grazing fees—Number of animals. By right under settlement. Buffaloes. (18)	Cows and bullocks. (19)	Sheep. (20)	Other animals. (21)	Value of fees at full rates. (22)	During pleasure of Government or otherwise than under settlement. Buffaloes. (23)	Cows and bullocks. (24)	Sheep. (25)	Other animals. (26)	Value of fees at full rates. (27)	Total value of fees at full rates. (28)	Grand total of value at full rates. (29)
FIFTH CIRCLE—*cont.*											RS.					RS.	RS.	RS.
Kollegal ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	46,577
Coimbatore, North.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	44,288
Coimbatore, South.	..	..	..	..	..	..	..	30	..	..	15	..	..	..	..	..	15	5,621
Madura ..	..	..	..	..	..	..	5,479	494	782	..	2,961	..	..	..	..	..	2,961	30,660
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	..	..	71	61	..	19	19	9,303
Tanjore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	324
Total ..	..	..	..	..	..	..	5,479	524	782	..	2,976	..	71	61	..	19	2,995	1,36,773

Abstract of animals permitted to graze on payment—

Buffaloes ..	9,667		Other animals ..	13
Bullocks and cows ..	165,814			
Sheep ..	54,053		Total ..	229,547

Return of grazing in the State forests during 1927–28.

District.	Grazing on payment—Number of animals. At enhanced or special rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Fees received.	At full rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	At privileged rates. Buffaloes.	Cows and bullocks.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
SIXTH CIRCLE.				RS.					RS.		
Reserved forests.											
Mangalore, North ..	..	..	..	..	1,138	12,575	..	..	5,472	..	..
Mangalore, South ..	..	(a) 10,521	..	1,315	2,226	16,924	..	..	7,738	..	..
Wynaad ..	..	..	..	..	2,394	4,431	..	..	4,610	..	..
Nilambur ..	(b) ..	..	..	..	..	..	..	..	..	..	..
The Nilgiris ..	5	657	13	337	8,098	14,252	1,848	..	5,882	..	..
		(c) 4,550	(c) 27,550	137							
Palghat	19	1,410	122	1,509	..	7,033	2,231	..	4,074	..	..
Total ..	24	17,138	27,685	3,298	13,856	55,215	4,079	..	27,731	..	..

(a) Includes buffaloes. (b) No grazing allowed. (c) Slaughter cattle.

Enhanced or special rates—
South Mangalore—Cattle admitted to Kulgunda cattle fair: As. 2 each.
The Nilgiris. { Buffaloe, Re. 1. Cow, As. 8. Sheep, As. 4.

Enhanced or special rates—cont.
Slaughter cattle—
The Nilgiris—*cont.* { Cows, As. 3 per 50 per day; sheep, As. 1½ per 50 per day. Palghat— Buffaloe, Rs. 2; cow, Re. 1; sheep, As. 8.

Full rates—
North and South Mangalore. { Buffaloe, As. 10. Cow, As. 6.
Wynaad and Palghat. { Buffaloe, Re. 1. Cow, As. 8. Sheep, As. 4.

The Nilgiris .. { Buffaloe, As. 6. Cow, As. 3. Sheep, As. 1½.

Return of grazing in the State forests during 1927–28—*cont.*

District.	Grazing on payment—Number of animals—*cont.*				Grazing free—Number of animals.											
	At privileged rates—*cont.*				By right under settlement.					During pleasure of Government or otherwise than under settlement.						
			Fees received.													
	Goats and sheep.	Other animals.	Actual.	Value at full rates.	Buffaloes	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	Grand total of value at full rates.
	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)
SIXTH CIRCLE —*cont.*														RS.	RS.	RS.
Reserved forests —cont.																
Mangalore, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,427
Mangalore, South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9,053
Wynaad ..	..	..	..	..	..	..	..	..	..	25	94	..	..	72	72	4,682
Nilambur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris ..	..	..	..	..	..	..	..	..	..	389	325	..	..	212	212	6,568
	..	..	..	..	..	..	..	..	..	* 16	* 18	..	..	..	..	..
Palghat ..	..	..	..	..	..	..	..	..	..	..	107	..	..	107	107	5,732
	..	..	..	..	..	..	..	..	..	..	83	..	..	42	42	..
Total ..	..	..	..	..	..	..	..	..	..	430	627	..	..	433	433	31,462

* Calves.

Abstract of animals permitted to graze on payment.

Buffaloes	13,880	Sheep	31,764
Cows and bullocks	72,353	Total ..	117,997

Return of grazing in the State forests during 1927–28—*cont.*

District.	Grazing on payment—Number of animals.										
	At the enhanced or special rates.				At full rates.					At privileged rates.	
	Buffaloes.	Cows and bullocks.	Goats and sheeps.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
SIXTH CIRCLE—*cont.*				RS.					RS.		
Reserved lands.											
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	..
Total ..	24	17,138	27,685	3,298	13,856	55,215	4,079	..	27,731	..	..
Parlakimedi Maliahs ..	..	..	..	..	2,268	2,681	270	..	1,379	..	..
Total, Departmental areas..	22,458	101,045	99,352	1,12,246	60,130	755,320	422,395	13	4,99,326	7,383	83,014
Panchayat areas.	920	46,442	43,506	45,239	22,979	290,363	468,912	214	2,71,742	6,261	5,804
Grand Total, Presidency.	23,378	147,487	142,858	1,57,485	83,109	1,045,683	891,307	227	7,71,068	13,644	88,818

Return of grazing in the State forests during 1927–28—*cont.*

District.	Grazing on payment—Number of animals—*cont.* At privileged rates—*cont.* Goats and sheep. (13)	Other animals. (14)	Fees received. Actual. (15)	Fees received. Value at full rates. (16)	Grazing free—Number of animals. By right under settlement. Buffaloes. (17)	Cows and bullocks. (18)	Goats and sheep. (19)	Other animals. (20)	Value of fees at full rates. (21)	During pleasure of Government or otherwise than under settlement. Buffaloes. (22)	Cows and bullocks. (23)	Goats and sheep. (24)	Other animals. (25)	Value of fees at full rates. (26)	Total value of fees at full rates. (27)	Grand total of value at full rates. (28)
			RS.	RS.					RS.					RS.	RS.	RS.
SIXTH CIRCLE—*cont.*																
Reserved lands—cont.																
The Nilgiris ..		..	..	..	..	..	..	..	..	1,133	48	..	.	434	434	434
Total ..	..	..	..	..	..	..	..	..	..	1,563	675	..	..	867	867	31,896
Parlakimedi Maliahs ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,379
Total, Departmental areas..	12,554	..	15,046	41,515	6,424	3,459	4,182	..	6,735	7,137	55,922	461	..	13,517	20,252	6,73,339
Panchayat areas.	75,435	..	14,830	26,877		..	..	..	..	123	549	3,248	3	907	907	3,44,765
Grand Total, Presidency.	87,989	..	29,876	68,392	6,424	3,459	4,182	..	6,735	7,260	56,471	3,709	3	14,424	21,159	10,18,104

Abstract of animals permitted to graze on payment in reserved forests and reserved lands.

Circle.	Buffaloes.	Bullocks and cows.	Sheep.	Other animals.	Total.
First Circle	34,367	235,482	84,950	..	354,799
Second ,, ...	22,576	182,389	258,270	..	463,235
Fourth ,, ...	7,213	338,439	104,994	..	450,646
Fifth ,, ...	9,667	165,814	54,053	13	229,547
Sixth ,, ...	13,880	72,353	31,764	..	117,997
Total, Departments—Forests	87,703	994,477	534,031	13	1,616,224
Panchayat areas ..	30,160	342,609	587,853	214	960,836
Grand Total ..	117,863	1,337,086	1,121,884	227	2,577,060

ANNUAL FORM No. 34-A.

Forest Department, Madras Presidency.

Progress in afforestation and regeneration under working plans or schemes during the year 1927–28.

Division. (1)	Working circle and block. (2)	Period. (3)	Area to be regenerated during the period. (4)	Method of treatment. (5)	Area in which regeneration was in progress at commencement of year (1st April 1927). (6)	Area on which regeneration commenced during the year, 1st April 1927 to 31st March 1928. (7)	Area on which regeneration is complete. Previous. (8)	Area on which regeneration is complete. During year, 1st April 1927 to 31st March 1928. (9)	Area on which regeneration is complete. Total to 31st March 1928. (10)	Area on which regeneration is still in progress at close of year, 31st March 1928. (11)	Expenditure during the year. Creation. (12)	Expenditure during the year. Upkeep. (13)	Expenditure from commencement of period. Creation. (14)	Expenditure from commencement of period. Upkeep. (15)	Revenue during the year. (16)	Total revenue from date of creation. (17)
	FIRST CIRCLE.	YEARS.	ACS.		ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjam.	Plain—Sal Timber Working Circle.	1919–20 to 1934–35.	2,506	Clear felling and natural regeneration.	..	173	1,402	173	1,575	..	821	1,355	5,871	7,978	..	..
	Ravine Working Circle.	1920–21 to 1929–40.	2,605	Do.	..	47	(b) 392	1·5	393·5	45·5	..	262	3,512	2,568	..	..
Godavari, Lower.	Casuarina Plantation, Kandikuppa Reserve.	10 years from 1923–24.	(b) 682	Planting up with seedlings 7′ × 7′.	..	62·8	(b) 208	62·8	270·8	..	1,553	..	5,393	..	..	..
	Total ..	..	5,793	..	..	282·8	2,002	237·3	2,239·3	45·5	2,374	1,617	14,776	10,546	..	..
	SECOND CIRCLE.															
…tapur.	Amagondapalaiyam compartments I and II.	1927–28.	Two plots of 2 acres each to be regenerated with sandal.	Dibbling of seeds under the shade of host plant.	2 acres (14th plot) and old plots 6–13 (17 acres) = 19 acres.	15th plot of 2 acres.	26	19	45	2	7	10	247	269	..	..

Anan.	Idupulapaya Plantation.	Do.	Not specified but blanks in felled coupes are taken up.	Sowing 2,500 palmyra seeds in blanks.	..	..	12	..	12	..	2	..	23	..	..	..
Kurnool, West.	Veldurthi Working Circle.	10 years.	15 acres 1·25 acres	Sowing palmyra seeds.	16·25	1·25	..	17·50	17·50	..	18	..	81	191	..	..
	Gundlabrahmeswaram Working Circle.	Do.	Blanks in No. VIII upto 10 acres.	Planting with teak and nallamaddi stumps.	9·50	(b) Nil.	..	..	..	9·50	..	..	..	(a) 229	..	..
	Pecheruvu Working Circle.	5 years.	180 acres in sandal coupe of 1927–28.	Dibbling sandal seeds under bushes.	51	180	..	..	..	231	72	20	72	40	..	..
	Total ..	..	210·25	..	95·75	183·25	38	36·50	74·50	242·50	99	30	423	729	..	..
	FOURTH CIRCLE.															
Vellore.	Virinchipuram Working Circle.	1888–89 to 1927–28.	Blanks in felled coupes.	Dibbling seeds of timber species.	..	..	283	..	283	..	..	286	9,552	56,359	972	42,345
	Chenur Working Circle.	Do.	Do.		..	..	142	..	142	..	..	144	4,623	3,805	54	7,474
	Kilminnal Working Circle.	Do.	Do.		..	..	104	..	104	..	..	144	3,157	26,510	3,952	25,201
	Tiruvalam Working Circle.	Do.	Do.		..	..	111	..	111	..	..	288	7,319	60,605	437	35,325
	Total ..	..	..	..	..	..	640	..	640	..	..	862	24,651	1,47,279	5,415	1,10,345
Central Salem.	Kurumbapatti Palmyra tope.	16 years from 1926–27.	379	Sowing palmyra seeds.	..	19	..	19	19	..	74	..	74	..	..	46
	Shevaroys Central Working Circle.	4 years.	321	Planting silver oak and cypress and sowing of seeds of Australian wattle.	143	..	143	..	143	..	..	..	..	9,096	..	..

Kurnool, West .. .. (a) Rs. 75 noted in column 15 against Gundlabrahmeswaram Working Circle of Kurnool West Division is a mistake and hence omission in this return.
(b) As coupe VIII was not felled, no regeneration operations were carried out during the year.

(b) Represents resurveyed area.

Progress in afforestation and regeneration under working plans or schemes during the year 1927–28—*cont.*

Division. (1)	Working circle and block. (2)	Period. (3)	Area to be regenerated during the period. (4)	Method of treatment. (5)	Area in which regeneration was in progress at commencement of year (1st April 1927). (6)	Area on which regeneration commenced during the year, 1st April 1927 to 31st March 1928. (7)	Area in which regeneration is complete. Previous. (8)	Area in which regeneration is complete. During year, 1st April 1927 to 31st March 1928. (9)	Area in which regeneration is complete. Total to 31st March 1928. (10)	Area on which regeneration is still in progress at close of year, 31st March 1928. (11)	Expenditure during the year. Creation. (12)	Expenditure during the year. Upkeep. (13)	Expenditure from commencement of period. Creation. (14)	Expenditure from commencement of period. Upkeep. (15)	Revenue during the year. (16)	Total revenue from date of creation. (17)
	FOURTH CIRCLE —*cont.*	YEARS.	ACS.		ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.
Salem, Central—*cont.*	Sanniyasimalai ..	1	4	Planting Acacia Decurrens and blue gum.	4	..	4	..	4	..	2	..	108	..	..	..
	Jalluthu Working Circle.	1927–28	114	(1) Felling of fuel coupes under "simple coppice." (2) Sowing seeds of indigenous timber species in blank areas.	..	..	114	..	114	..	..	..	..	..	..	..
	Total ..	..	818	..	147	19	261	19	280	..	76	..	182	9,096	..	46
	*Turaiyur Range.**															
	Ammapalaiyam Working Circle.	1923–24 to 1927–28	81	(1) Felling of fuel coupes under	31	..	50	..	50	31	..	..	..	..	..	..

Salem, South	Sobanapuram Working Circle.	1924–25 to 1927–28	76	simple coppice.	39	..	37	..	37	39	..	..	..	..	..	..
	Ladapuram Working Circle.	1923–24 to 1927–28	98	(2) Sowing of indigenous timber species in blank areas.	55	..	43	..	43	55	..	..	..	..	..	..
	Thondamanthurai Working Circle.	Do.	88		41	..	47	..	47	41	..	..	..	..	..	..
	Arasalur Working Circle.	1921–22 to 1927–28	208		87	..	121	..	121	87	..	..	..	..	..	..
	Namakkal Range.															
	Karavallijambuthu Working Circle.	1918–19 to 1927–28	398		30	44	324	44	368	30	..	..	15	..	..	..
	Thammampatti Range.															
	Mavar Working Circle.	1921–22 to 1927–28	183	(1) Felling of fuel coupes under 'Simple coppice.'	..	29	154	29	183	..	..	..	..	..	..	..
	Gangavalli Working Circle.	1922–23 to 1927–28	223	(2) Sowing seeds of indigenous timber species in blank spaces.	..	37	186	37	223	..	..	..	..	..	..	..
	*Namageripet Range.**															
	Pudupatti Working Circle.	1926–27 to 1927–28	281		..	126	155	40	195	86	..	..	..	..	..	..
	Bodamalai Working Circle.	Do.	105		..	65	40	65	105	..	..	..	..	..	..	..
	Tirumanur Working Circle.	Do.	315		..	145	170	85	255	60	..	..	..	..	..	..
	Total ..	..	2,056	..	283	4	1,327	300	1,627	429	..	..	15	..	..	..
	Grand Total ..	..	2,874	..	430	465	2,228	319	2,547	429	76	862	24,848	1,56,375	5,415	1,10,391

* The other areas shown in the return for 1926–27 are under panchayat management.

Progress in afforestation and regeneration under working plans or schemes during the year 1927-28—*cont.*

Division. (1)	Working circle and block. (2)	Period. (3)	Area to be regenerated during the period. (4)	Method of treatment. (5)	Area in which regeneration was in progress at commencement of year (1st April 1926). (6)	Area on which regeneration commenced during the year, 1st April 1926 to 31st March 1927. (7)	Area on which regeneration is complete. Previous. (8)	Area on which regeneration is complete. During year, 1st April 1926 to 31st March 1927. (9)	Area on which regeneration is complete. Total to 31st March 1927. (10)	Area on which regeneration is still in progress at close of year, 31st March 1927. (11)	Expenditure during the year. Creation. (12)	Expenditure during the year. Upkeep. (13)	Expenditure from commencement of period. Creation. (14)	Expenditure from commencement of period. Upkeep. (15)	Revenue during the year. (16)	Total revenue from date of creation. (17)
	FIFTH CIRCLE. *Mount Stuart Working Circle.*		ACS.		ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.		
division.	1923 regeneration area	..	..	ing, burning and dibbling teak and other seeds.	..	..	194	..	194	..	..	119	5,055	5,484	..	..
	1922 regeneration area	..	..		..	..	126	..	126	..	..	73	3,358	3,913	..	..
	Waterfall plantation	..	..		..	..	12	..	12	..	..	..	..	..	..	..
	1918-19 regeneration area ..	..	..		..	..	29	..	29	..	..	43	643	666	..	..
	1919-20 regeneration area ..	..	..		..	..	8	..	8	..	..	..	584	576	..	..
	1920-21 regeneration area ..	..	..		..	..	29	..	29	..	..	54	545	1,156	..	..
	Experimental plantation at Mount Stuart..	..	..		..	..	5	..	5	..	..	13	..	34	..	..
	Experimental plantation at Karian shola ..	..	..		..	..	1	..	1	..	..	..	..	..	..	..
	1924 regeneration area	..	..		..	..	226	..	226	..	..	97	6,459	4,257	..	..
	1925 regeneration area	..	..		..	..	260	..	260	..	..	447	9,986	6,285	..	..
	1926 regeneration area	..	..		..	..	251	..	251	..	..	1,446	15,251	1,446	..	..

Coimbatore	1927 regeneration area	..	..	Clear	155	..	..	155	155	..	962	3,650	5,405	3,650	..	..
	1928 regeneration area	..	140	Clearing for trying species other than teak.	..	140	..	..	..	140	4,052	..	4,052	..	..	..
	Experimental plantation at Top-slip ..	..	..		..	10	..	10	10	..	31	..	31	..	..	..
	Planting 2,000 Eucalyptus seedlings from nursery pits round Top-slip	..	..		..	..	..	..	..	..	57	..	57	..	..	..
	Undersowing Artocarpus Hirsuta in older areas	..	..		..	..	..	..	..	..	22	..	22	..	..	..
	Formation of Hopea Nurseries	..	..		..	..	..	..	..	..	45	..	45	..	..	..
	Total ..	..	..	..	..	..	..	..	..	..	(a) 5,169	5,942	..	..	..	..
	Punachi Working Circle.															
	Regeneration plots in Coupes IX and X .	..	..	Clear felling, burning and dibbling and felling undergrowth and Lantana and broadcast sowing.	..	..	5	..	5	..	..	..	86	122	..	..
	2-acre plot in Coupe II ..	..	..		..	..	2	..	2	..	..	..	75	27	..	..
	3-acre plot in Coupe XV ..	..	..		..	..	3	..	3	..	..	..	146	98	..	..
	10-acre plot in Coupe XV ..	..	..		..	..	10	..	10	..	..	..	245	404	..	..
	1924 regeneration area in Coupes XIV and XV ..	..	..		..	..	25	..	25	..	..	35	524	1,059	..	..
	1925 regeneration area in Coupes XII and XIII.	..	..		..	..	25	..	25	..	..	25	431	25	..	..
	1925-26 Periodic block I ..	..	..		24	..	..	24	24	..	24	..	327	..	..	..
	1926-27 regeneration area ..	..	..		25	..	..	25	25	..	..	61	22	61	..	..
	1928 Periodic block I ..	..	25		..	25	..	..	..	25	165	..	165	..	..	..
	Total ..	..	..	..	..	..	..	..	..	..	(b) 189	121	..	..	..	..

Coimbatore South.—A sum of Rs. 448 was also spent during the year for collection of seeds. Rs. 213-4-0 was spent in addition on collection of seeds, root wounding trees marked for felling in coupe XX and tending operations in coupe XIX.

Progress in afforestation and regeneration under working plans or schemes during the year 1927–28—*cont.*

Division.	Working circle and block. (2)	Period. (3)	Area to be regenerated during the period. (4)	Method of treatment. (5)	Area in which regeneration was in progress at commencement of year (1st April 1926). (6)	Area in which regeneration commenced during the year, 1st April 1926 to 31st March 1927. (7)	Area on which regeneration is complete. Previous. (8)	Area on which regeneration is complete. During year, 1st April 1926 to 31st March 1927. (9)	Area on which regeneration is complete. Total to 31st March 1927. (10)	Area on which regeneration is still in progress at close of year, 31st March 1927. (11)	Expenditure during the year. Creation. (12)	Expenditure during the year. Upkeep. (13)	Expenditure from commencement of period. Creation. (14)	Expenditure from commencement of period. Upkeep. (15)	Revenue during the year. (16)	Total revenue from date of creation. (17)
	FIFTH CIRCLE—*cont.* *Mettupalaiyam Range.*	YEARS.	ACS.		ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.		
Coimbatore, North.	Manar Sandal Working Circle.	..	..	Dibbling sandal seeds.	..	..	132	..	132	..	..	* 26	69	75	..	..
Coimbatore, North.	Jackanare Sandal Working Circle.	..	..		..	..	108	..	103	..	..	..	30	..	..	..
Madura.	*Old Vyyampatti Range merged in Ayyalur Range.*															
Madura.	Veeramalai Working Circle.	..	..	(1) Fellings of fuel coupes under single coppice. (2) Sowing of seeds of indigenous timber species in blanks.	241	..	467	241	708	..	..	..	..	15	..	..
Madura.	Shemmalai Working Circle.	..	..		..	..	856	..	856	..	..	..	..	43	..	..
Madura.	Karuppur Reddiapatti Working Circle	..	..		..	..	671	..	671	..	..	..	..	17	..	..
Madura.	Sorupam, Panjanthangi Working Circle ..	..	..		..	..	290	..	290	..	..	..		22	..	..
	Total ..	..	165	..	445	175	3,735	455	4,190	165	5,358	6,089	53,613	29,435	..	..

	SIXTH CIRCLE.															
Mangalore, North.	Coupes I catechu working series.	1926–27.	550 coupes I of Baindur, and wandse series.	Fencing and sowing Acacia catechu at stakes 12′ × 12′ on filled pits 1′×1′× 10′.	120 acres 51 in Baindur coupe I and 69 in Baindur coupe II.	..	..	..	..	120	..	205	352	255	..	..
	Coupe II of catechu working series.	1927–28.	580 acres in Baindur coupe II and 785 acres in wandse coupe II.		..	75 acres in coupes II of Baindur coupes.	..	..	..	75	396	..	396	..	..	..
	Total ..	..	1,915	..	120	75	..	..	..	195	396	205	748	255	..	..
Palghat.	Pole Working Circle, Walayar Block I, compartment III.	1926–27.	181	Stump planting with 1 year old teak stumps.	..	..	181	..	181	..	..	839	2,245	839	..	..
	Pole Working Circle, coupe I, Block I, compartment 8.	1927–28.	112		..	112	..	112	112	..	1,473	..	1,473 260	..	..	..
		1928–29.	..	..	..	..	..	..	..	..	226 169	* ..	226 169	..	..	..
		1929–30.	..	..	..	..	..	..	..	..	137	..	137	..	..	..
	Ponam Working Circle, compartment 17, coupe I.	1926–27	45	Ponam ..	..	..	45	..	45	..	..	28	26	28	..	..
	Ponam Working Circle, compartment 17, coupe I.	1927–28.	44	Do. ..	..	44	..	44	44	..	3	..	3	..	..	..
	Compartment 16, coupe II.	1928–29.	..	Do. ..	..	..	..	..	..	..	21	..	21	..	..	.. *
	Total ..	..	382	..	..	156	226	156	382	..	2,029	867	4,560	867	..	..

Coimbatore, North.—Dibbling sandal seeds. Area not known.

(a) Includes Rs. 6,677 remaining to be adjusted to 52 A (b) VII Sowing and planting from the Commercial concern.

(b) Excludes Rs. 55-8-0 wrongly debited to 8 (b) VII sowing and planting instead of to fire protection.

Mangalore, North.—Only 51 acres in coupe I were found suitable, 69 acres in coupe II were also taken up. Only 75 acres in Baindur coupe II were suitable for catechu sowings.

Palghat.—Expenditure on clearing and burning and nurseries—expenditure on nurseries. Collection of seed.

* Cost of collection of seeds.

Progress in afforestation and regeneration under working plans or schemes during the year 1927-28—*cont.*

Division. (1)	Working circle and block. (2)	Period. (3)	Area to be regenerated during the period. (4)	Method of treatment. (5)	Area in which regeneration was in progress at commencement of year (1st April 1926). (6)	Area on which regeneration commenced during the year, 1st April 1926 to 31st March 1927. (7)	Area in which regeneration is complete: Previous. (8)	Area in which regeneration is complete: During year, 1st April 1926 to 31st March 1927. (9)	Area in which regeneration is complete: Total to 31st March 1927. (10)	Area on which regeneration is still in progress at close of year, 31st March 1927. (11)	Expenditure during the year: Creation. (12)	Expenditure during the year: Upkeep. (13)	Expenditure from commencement of period: Creation. (14)	Expenditure from commencement of period: Upkeep. (15)	Revenue during the year. (16)	Total revenue from date of creation. (17)
	SIXTH CIRCLE —*cont.*	YEARS.	ACS.		ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.
Nilambur.	Plantation Working Circle.	1927-28.	90	Artificial regeneration.	163	55	7,127 * 55	165	7,266	53	13,324	2,927	5,99,194	5,71,084	..	..
	Conversion Working Circle.	Do.	(*a*) 200	Do.	25	88		29		84						
	Beypore coconut plantation	Do.	..	Do.	..	..	37	..	37	..	..	..	(*c*) 884	8,938	..	..
	Total ..	..	290	..	188	148	7,109	194	7,303	137	13,324	2,927	6,00,078	5,80,022	..	..
The Nilgiris.	Regular plantations 1886.	1927-28.	..	Restocking felled areas and blanks with blue gum, etc.	1,667	* ..	1,667	* ..	1,667	..	1,299	1,318	16,676	3,30,286	55,577	10,88,973
	Chinnakolli Mudumalai clear felling Working Circle.	Do.	10	Departmental tuckle and stump planting.	..	10	10	10	20	..	640	217	1,011	217	714	† 714
	Total ..	..	10	..	1,667	10	1,677	10	1,687	..	1,939	1,535	17,687	3,30,503	56,291	10,89,687
	Grand Total ..	..	2,597	..	1,975	384	9,012	360	9,372	332	17,688	5,454	6,23,073	9,11,647	56,291	10,89,687
	Grand Total, Presidency ..	..	11,639·25	..	2,945·75	1490 05	17,015	1407·8	18,422·8	1,214	25,595	14,052	7,20,733	11,08,732	61,706	12,00,078

Nilambur.—Area of plantation felled during the year.
(*a*) Not prescribed definitely by plan and is fixed by the District Forest Officer. * Reformation over 55 acres. † Value of ragi. ‡ Transferred from 34 B.
(*b*) Information not furnished.
(*c*) Plantation is in charge of Forest Utilization Officer. Details of expenditure not available—will be included in the next return.

ANNUAL FORM No. 34-B.

Forest Department, Madras Presidency.

Plantations not under working-plans during the forest year 1297-28

ANNUAL FORM
Forest Department,
Plantations not under working-plans

Division and forest.	Method of formation and year of commencement.	Area in acres			
		At commencement of year, 1st April 1927.	Added during year, 1st April 1927 to 31st March 1928.	Excluded during year, 1st April 1927 to 31st March 1928.	On 31st March 1928.
(1)	(2)	(3)	(4)	(5)	(6)
FIRST CIRCLE.					
Regular Plantations.					
Guntur	Muthayapalam Casuarina.	5	..	..	5
Nellore	Planting	162	..	..	162
	Total ..	167	..	..	167
Taungya Operations.					
Godavari, Upper	Taungya operations ..	180	54	..	234
Cultural Operations.					
Vizagapatam	1st March 1895	10	..	10	..
Godavari, Upper	Clear-felling to establish a better quality of trees and tending, etc.	1,321	257	..	1,578
Godavari, Lower	....	8	6	..	14
Guntur	Muthayapalam, 1912–13.	5	..	..	5
	Guttikonda, 1924–25 ..	6	..	..	6
	Konanki, 1924–25.. ..	6	..	6	
	Konanki, 1926–27.. ..	4	..	4	..
	Venkatayapalem, 1926-27.	3	..	..	3
	Srigiripad, 1926–27 ..	3	..	..	3
	Devupalli and Kakirala 1926–27.	1	..	..	1
	Guttikonda Extension I, 1926–27.	3	..	3	..
	Guttikonda Block II, 1926-27.	3	..	3	..
	Bollapalli Extension VI, 1926–27.	3	..	3	..
	Nizampatam, 1926-27 ..	4	..	..	4
	Venkatayapalam, 1927–28.	..	0·5	..	0·5
	Venkatayapalem Sandal, 1927–28.	..	1	..	1
	Kondapalli Sandal, 1927–28.	..	1	..	1
	Srigiripad Sandal, 1927–28.	..	2·5	..	2·5
	Nachugunta, 1927–28 ..	..	0·2	..	0·2
	Guttikonda Parcelle 79, 1927–28.	..	1 0	..	1 0
	Bollapalli Parcelle 65, 1927–28.	..	1 0	..	1 0
	Guttikonda Extension 8, 1927-28.	..	1	..	1
	Guttikonda Parcelle 56, 1927–28.	..	1	..	1

No. 34-B.

Madras Presidency.

during the forest year 1927–28.

Expenditure during the year.		Total expenditure from commencement including expenditure on all failed areas.			Total area written off from start.	Expenditure in failed areas.	Expenditure from commencement excluding failed areas.	Revenue during the year.	Total revenue from date of creation.
Creation.	Upkeep.	Creation.	Upkeep.	Total.					
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
RS.	RS.	RS.	RS.	RS.	ACS.	RS.	RS.	RS.	RS.
..	..	193	..	193	..	..	193	..	..
..	252	1,56,709	17,666	1,74,375	..	..	1,74,375	784	3,21,226
..	252	1,56,902	17,666	1,74,568	..	..	1,74,568	784	3,21,226
737	63	1,187	696	1,883	..	447	1,436	..	10,865
..	102	2	2,824	2,826	..	..	2,826	1,200	13,670
4,060	394	42,186	806	42,992	..	..	42,992	34,151	1,47,448
105	..	217	462	679	..	320	359	..	..
..	..	22	..	22	..	..	22	..	..
..	..	26	..	26	..	..	26	..	..
..	..	..	..	..	..	..	..	..	* ..
..	..	74	..	74	..	..	74	..	* ..
..	..	38	..	38	..	..	38	..	..
..	17	29	17	46	..	..	46	..	..
..	6	23	6	29	..	..	29	..	..
..	..	53	..	53	..	..	53	..	* ..
..	..	23	..	23	..	..	23	..	..
..	..	8	..	8	..	..	8	..	..
..	..	59	..	59	..	..	59	..	..
..	..	..	..	..	..	..	..	..	..
5	..	5	..	5	..	..	5	..	..
5	..	5	..	5	..	..	5	..	..
25	..	25	..	25	..	..	25	..	..
11	..	11	..	11	..	..	11	..	..
15	..	5	..	15	..	..	15	..	..
15	..	15	..	15	..	..	15	..	..
8	..	8	..	8	..	..	8	..	..
8	..	8	..	8	..	..	8	..	..

* Reserves handed over to parchayats.

Plantations not under working-plans

Division and forest.	Method of formation and year of commencement.	Area in acres: At commencement of year, 1st April 1927.	Added during year, 1st April 1927 to 31st March 1928.	Excluded during year, 1st April 1927 to 31st March 1928.	On 31st March 1928.
(1)	(2)	(3)	(4)	(5)	(6)
First Circle—*cont.*					
Cultural Operations—cont.					
Guntur	Nayudupalem Block I, Babul, 1927-28.	..	5	..	5
Nellore	Sriharikota Do. 1926-27.	1	2·8	..	3·8
	Kambakkam Sandal, 1927-28.	..	5	..	5
	Total ..	1,381	303	29	1,655
	Grand Total ..	1,728	357	29	2,056
Second Circle.					
Regular Plantations.					
Anantapur division—Hospet Range	Moka 1907 to 1913 (casuarina and sissoo).	489	1	1	489
Kurnool, East division ..	1908 Teak, Yegi, Nallamaddi and Sandal in Telugurayanicheruvu, Peddachama, Peddamantrala, Chinnamantrala and Maddipenta.	122	..	20	102
Do. South division ..	....	71	..	..	71
Do. West division ..	1905-06	1,154	..	..	1,154
Cuddapah, South ..	Kodur Red Sanders plantation of 1865, the trees being planted 9′ × 8′ apart.	20	..	..	20
	Total ..	1,856	1	21	1,836
Taungya plantation.					
Kurnool, West division ..	1921-22	312	10	..	322
Cultural operations.					
Anantapur division—Hospet Range	Kupgal, 1905-06	520	..	..	520
	Banavasi, 1905-06 ..	272	..	..	272
	Sivapuram Sandalwood planting, 1927-28.	..	1	..	1
	Gunda Tangedu Seeds Dibbling, 1927-28.	..	10	..	10
Madanapalle Range—Avalakonda reserve forest (Sandalwood).	Dibbling, 1921-22 ..	6	..	..	6
Thettuvankaghatti (Sandalwood tope 9).	Do. ..	2	..	..	2

during the forest year 1927–28—*cont.*

Expenditure during the year. Creation. (7)	Expenditure during the year. Upkeep. (8)	Total expenditure from commencement including expenditure on all failed areas. Creation. (9)	Total expenditure from commencement including expenditure on all failed areas. Upkeep. (10)	Total expenditure from commencement including expenditure on all failed areas. Total. (11)	Total area written off from start. (12)	Expenditure in failed areas. (13)	Expenditure from commencement excluding failed areas. (14)	Revenue during the year. (15)	Total revenue from date of creation (16)
RS.	RS.	RS.	RS.	RS.	ACS.	RS.	RS.	RS.	RS.
..	.	..	..	..	..	..	..	..	..
23	..	33	..	33	..	..	33	..	..
37	..	37	..	37	..	..	37	..	..
4,317	519	42,922	4,115	47,037	..	320	46,717	35,351	1,61,118
5,054	834	2,01,011	22,477	2,23,488	..	767	2,22,721	36,135	4,93,209
2	..	9,374	65,030	74,404	91	2	63,090	..	14,147
..	47	38,471	26,169	64,640	231	(a) ..	(a) 27,569	22	22
..	..	2,295	654	2,949	110	..	1,194	..	..
..	150	2,35,950	69,949	3,05,899	276	..	3,05,899	1,825	29,260
..	116	23	1,661	1,684	..	..	1,684	(b)1,284	15,577
2	313	2,86,113	1,63,463	4,49,576	708	2	3,99,436	3,131	59,006
38	..	5,875	120	5,995	..	..	5,995	..	718
..	7	14,808	3,223	18,031	4,454	..	3,132	..	..
..	4	7,941	1,991	9,932	1,544	..	1,417	..	..
24	..	24	..	24	..	..	24	..	..
18	..	18	..	18	..	..	18	..	..
..	..	139	..	139	..	..	139	..	..
..	..	131	..	131	..	..	131	..	..

(*a*) Revised figures furnished by the District Forest Officer.

(*b*) Includes an amount of Rs. 506-7-6 obtained by the sale of sandalwood (extracted from the plantation) realized by the District Forest Officer, Vellore.

Plantations not under working-plans

Division and forest. (1)	Method of formation and year of commencement. (2)	Area in acres — At commencement of year, 1st April 1927. (3)	Added during year, 1st April 1927 to 31st March 1928. (4)	Excluded during year, 1st April 1927 to 31st March 1928. (5)	On 31st March 1928. (6)
SECOND CIRCLE—*cont.*					
Cultural operations—cont.					
Thattuvankaghatti (Sandalwood tope No. 10).	Dibbling, 1921–22 ..	2	..	..	2
Horsleykonda Reserved Forest (Sandalwood).	Do. ..	4	..	..	4
Panchupad (Sandalwood).	Dibbling, 1922–23 ..	4·10	..	..	4·10
Tavalam (Sandalwood) ..	Do. ..	2	..	..	2
Horsleykonda Reserve Lantana cleared area.	Do. .	715	100	..	815
Horsleykonda Reserved Forest.	Dibbling, 1925	12	..	..	12
Horsleykonda Reserved Forest.	Planting Acacia sundra where sundra grows.	180	..	..	180
Horsleykonda (bamboos)..	Dibbling	11	..	..	11
Nigidi Reserve	Sandal dibbling, 1927–28.	..	28	..	28
Kurnool, East Division ..	Dibbling Tangedu seeds in patches in 1923 in Chinna Mantrala Maddipenta Telugurayani cheruvu Pedda Mantrala.	158	..	158	..
Kurnool South Division—Timber Coupe 1 of Baiveni series.	Maintenance of 200 seedlings per acre.	..	72	..	72
Timber Isukagundam ..	Do.	10	190	..	200
Timber Mamidigundam.	Do	.	47	..	47
Timber Ulladavanka ..	Do.	..	57	..	57
Regeneration coupe No. II at Isukagundam.	Weeding	..	23	..	23
Kurnool West Division ..	1919–20	7,140	..	.	7,140
	Total ..	9,038·10	528	158	9,408·10
THIRD CIRCLE—Nil.					
FOURTH CIRCLE.					
Chittoor.					
Palmaner range—Mudivaripalle Tope (Red Sanders and sandalwood).	Natural and planting, 1900.	14·65	..	..	14·65
Nagamangalam Tope (sandalwood).	Do. 1885.	20·00	..	..	20·00
Baireddipalli Tope (sandalwood).	Do. 1885.	4·10	..	..	4·10
Venkatagirikota Tope (sandalwood).	Do. 1885.	8·83	..	..	8·83
White Sides Garden (Red Sanders, etc.).	Do. 1906.	13·40	..	..	13·40

during the forest year 1927–28—*cont.*

Expenditure during the year.		Total expenditure from commencement including expenditure on all failed areas.			Total area written off from start.	Expenditure in failed areas.	Expenditure from commencement, excluding failed areas.	Revenue during year.	Total revenue from date of creation.
Creation.	Upkeep.	Creation.	Upkeep.	Total.					
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
RS.	RS.	RS.	RS.	RS.	ACS.	RS.	RS.	RS.	RS.
..	..	106	..	106	..	..	106	..	..
..	..	35	285	320	..	..	320	..	..
.	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
19	..	709	46	755	..	..	755	..	..
..	..	170	..	170	..	..	170	..	..
..	..	90	..	90	..	..	90	..	..
..	..	40	..	40	..	..	40	..	..
11	..	11	..	11	..	..	11	..	.
..	..	12,440	4,516	16,956	790	..	1,208	..	..
..	50	..	50	50	..	..	50	..	..
48	140	167	140	307	..	..	307	..	..
..	32	..	32	32	..	..	32	..	..
..	80	..	80	80	..	..	80	..	..
..	29	..	29	29	..	..	29	..	..
..	..	33,878	9,195	43,073	..	..	43,073	..	..
120	342	70,707	19,587	90,294	6,788	..	51,132	..	..
..	..	..	1,228	1,228	..	..	1,228	12	120
..	..	..	2,234	2,234	..	..	2,234	..	21
..	..	..	482	482	..	..	482	2	17
..	..	..	3,076	3,076	..	..	3,076	6	6
..	661	..	6,851	6,851	..	..	6,851	3	39

Plantations not under working-plans

Division and forest. (1)	Method of formation and year of commencement. (2)	Area in acres: At commencement of year, 1st April 1927. (3)	Added during year, 1st April 1927 to 31st March 1928. (4)	Excluded during year, 1st April 1927 to 31st March 1928. (5)	On 31st March 1928. (6)
FOURTH CIRCLE—*cont.*					
Gudiyattam range—					
Pichanur Tope	Planting	31·00	..	..	31·00
Chittoor reserve (Red Sanders).	Natural and dibbling, 1895.	387·20	..	..	387·20
Chandragiri range—					
Panapakam old coupe No. 12 (sandalwood).	Dibbling	4·00	..	..	4·00
All the 11 new working circles (sandalwood).	Do.	23·00	..	..	23·00
	Total ..	506·18	..	..	506·18
Vellore—					
Ambur Tope	Planting, 1913	6·00	..	..	6·00
Amerdi Plantation ..	Clear-felling and artificially stocking with timber species, 1922–23.	92·25	..	..	92·25
	Total ..	98·25	..	..	98·25
Central, Salem—					
Kurumbapatti plantation.	Sowing, 1920–21 ..	1·75	..	..	1·75
Ayyanthirumaligai ..	Do. 1923–24 ..	..	..	..	..
	Total ..	1·75	..	..	1·75
South Salem—					
Tope attached to the District Forest Officer's quarters.	Raising up mango trees, 1904.	9·5	..	..	9·5
	Grand Total ..	615·68	..	..	615·68
FIFTH CIRCLE.					
Madura—					
Gundan Shola Blue gum plantation.	....	245	..	..	245
Pambar pine plantation.	1906	842	..	..	842
Gundan valley ..	Planting accacia decurrens.	148	..	..	148
Velancombai teak plantation.	....	18	..	..	18
Vannathiparai teak plantation.	1870	4	..	..	4
Sethuvaikal new teak plantation.	1920–21	53	..	..	53
Alagar hills	Planting mahagony ..	3	..	..	3
	Total ..	1,313	..	..	1,313

during the forest year 1927-28—*cont.*

Expenditure during the year.		Total expenditure from commencement including expenditure on all failed areas.			Total area written off from start.	Expenditure in failed areas.	Expenditure from commencement excluding failed areas.	Revenue during the year.	Total revenue from date of creation.
Creation.	Upkeep.	Creation.	Upkeep.	Total.					
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
RS.	RS.	RS.	RS.	RS.	ACS.	RS.	RS.	RS.	RS.
..	..	..	894	894	..	..	894	216	1,328
..	..	..	2,032	2,032	..	.	2,032	..	..
..	..	57	..	57	..	..	57	..	..
..	..	..	7	7	..	..	7	..	..
..	661	57	16,804	16,861	..	..	16,861	239	1,531
..	7	..	10	10	..	..	10	133	1,633
..	* 112	3,102	2,147	5,249	..	..	5,249	277	7,233
..	119	3,102	2,157	5,259	..	..	5,259	410	8,866
..	..	202	34	236	..	..	236	..	..
..	..	131	69	200	..	..	200	..	..
..	..	333	103	436	..	..	436	..	..
..	40	467	2,492	2,959	..	..	(a) 2,959	..	(a) 280
..	820	3,959	21,556	25,515	..	..	25,515	649	10,677
..	..	18,985	..	18,985	..	..	18,985	122	(b)4,338
.	196	33,483	4,640	38,123	..	..	38,123	29	(b) 850
16	..	3,106	116	3,222	..	..	3,222	..	(b) ..
..	..	1,124	142	1,266	..	..	1,266	..	(b)2,315
..	..	1,405	..	1,405	..	..	1,405	..	(b)2,125
..	26	3,770	722	4,492	..	..	4,492	..	(b) ..
..	..	64	..	64	..	..	64	..	(b) ..
16	222	61,937	5,620	67,557	..	..	67,557	151	9,638

* Includes Rs. 36 being cost of establishment.
(*a*) Correct figures now furnished by District Forest Officer.
(*b*) Seeds were dibbled and supplied at a cost of Rs. 11.

Plantations not under working-plans

Division and forest. (1)	Method of formation and year of commencement. (2)	Area in acres — At commencement of year, 1st April 1927. (3)	Added during year, 1st April 1927 to 31st March 1928. (4)	Excluded during year, 1st April 1927 to 31st March 1928. (5)	On 31st March 1928. (6)
FIFTH CIRCLE—*cont.*					
Tinnevelly—					
Kudiramoliteri	Dibbling palmyra nuts.	3,080	75	..	3,155
Kodamadi teak plantation.	1917	111	..	..	111
Kariar teak plantation, 1922–24.	....	82	..	..	82
Richmond plantation ..	1906	1	..	..	1
Kariarkani area ..	....	23	..	..	23
Haynes plantation ..	....	23	..	..	23
	Total ..	3,320	75	..	3,395
Coimbatore, North—					
Minchigully plantation.	Dibbling teak, vagai and rosewood seeds, watering and weeding.	5	..	..	5
Ainagiri plantation ..	Planting seedlings of shola species, 1918.	42	..	..	42
	Total ..	47	..	..	47
	Grand total ..	4,680	75	..	4,755
SIXTH CIRCLE.					
Mangalore, North—					
Someshwar	Sowing of Hopea, Dhupa and wild jack in prepared patches, 1920–21.	455	204	..	659
Jatkatmale	Sowing of Dhupa and Hopea in prepared patches, 1920–21.	1,143	..	..	1,143
Halesomeshwar ..	Sowing of Hopea in prepared patches, 1922–23.	1,754	..	..	1,754
Madibare	Sowing of Xylia in prepared patches, 1927–28.	..	9	..	9
Sabladi	Sowing Hopea in prepared patches, 1923–24.	100	..	100	..
Kodiamale	Sowing of Hopea in prepared patches, 1921–22.	52	..	..	52
	Total ..	3,504	213	100	3,617
Mangalore, South—					
Parappa, Compartment V (Portion).	Teak plantation, 1865 ..	52	..	..	52
Parappa, Compartment VI (Portion).	Sowing of deciduous species after clear-felling and burning, 1924.	16	..	..	16

[library stamp]

during the year 1927–28—*cont.*

Expenditure during the year.		Total expenditure from commencement including expenditure on all failed areas.			Total area written off from start.	Expenditure in failed areas during the year.	Expenditure from commencement excluding failed areas.	Revenue during the year.	Total revenue from date of creation.
Creation. (7)	Upkeep. (8)	Creation. (9)	Upkeep. (10)	Total. (11)	(12)	(13)	(14)	(15)	(16)
RS.	RS.	RS.	RS.	RS.	ACS.	RS.	RS.	RS.	RS.
107	..	6,249	1,830	8,079	..	..	8,079	2,565	49,985
..	..	4,236	1,193	5,429	..	..	5,429	..	78
..	..	1,549	731	2,280	..	..	2,280	..	..
..	..	5	..	5	..	..	5	..	94
..	6	47	310	357	..	..	357	..	178
..	..	26	37	63	..	..	63	..	..
107	**6**	**12,112**	**4,101**	**16,213**	..	..	**16,213**	**2,565**	**50,335**
..	..	123	618	741	..	..	741	..	(a) ..
..	..	670	522	1,192	..	..	1,192	..	(a) ..
..	..	793	1,140	1,933	..	..	1,933	..	(a) ..
123	**228**	**74,842**	**10,861**	**85,703**	..	..	**85,703**	**2,716**	**59,973**
1,376	25	2,593	860	3,453	19	..	3,345	..	..
..	289	3,122	5,027	8,149	152	..	7,668	..	..
..	1,591	5,663	2,879	8,542	89	..	8,267	..	..
115	..	115	..	115	..	..	115	..	..
..	..	392	32	424	100	424	..	..	..
..	..	145	14	159	..	..	159	..	..
1,491	**1,905**	**12,030**	**8,812**	**20,842**	**360**	**424**	**19,554**	..	..
..	59	10,357	320	10,677	..	..	10,677	..	2,508
..	21	99	106	205	..	..	205	..	..

(*a*) Rs. 30 was spent in dibbling sandal-seeds in Geddesal. Area not known.

Plantations not under working-plans

Division and forest.	Method of formation and year of commencement.	Area in acres			
		At commencement of year, 1st April 1927.	Added during year, 1st April 1927 to 31st March 1928.	Excluded during year, 1st April 1927 to 31st March 1928.	On 31st March 1928.
(1)	(2)	(3)	(4)	(5)	(6)
SIXTH CIRCLE—*cont.*					
Mangalore, South—*cont.*					
Parappa, Compartment VIII (Portion).	Sowing of deciduous species after clear-felling and burning, 1926–27.	23	..	..	23
Parappa, Compartments I to X.	Sowing and planting of evergreen species.	1,880	87	..	1,967
Parappa, Compartment IX (portion).	Sowing with Aimi and Malia Dubia area felled in 1926–27.	..	21	..	21
Jalsur East, Coupes I and II.	Sowing and planting of evergreen species under existing growth, 1920–21.	252	..	..	252
	Natural regeneration of evergreen species, 1926–27.	147	..	..	147
Porkala and Padnur ..	Sowing and planting of evergreen species, 1920–24.	1,405	..	..	1,405
Nerankimale Reserve ..	Clear-felling, burning and sowing deciduous species.	89	..	..	89
Kidu Reserve	Natural regeneration, 1926–27.	19	..	..	19
Nalkur Reserve Coupes I and II.	Natural regeneration of evergreen forests started in 1922.	1,154	..	..	1,154
Mundajekap Reserve ..	Sowing and planting of evergreen species, 1926.	277	..	..	277
Do. ..	1927	..	132	..	132
	Total ..	5,314	240	..	5,554
Wynad—					
	Regular plantations ..	1,094 + 38 (*a*) + 6 (*b*)	173	..	1,311
	Taungya do. ..	700	..	..	700
	Cultural operations ..	228	4	..	232
	Total ..	2,066	177	..	2,243
Nilambur—Nil.	....	..	..	..	..
The Nilgiris—	Taungya plantations, 1907–08.	19	..	..	19
	Cultural operations, 1920–21.	278	..	..	278
Mudumalai	Concentrated regeneration, 1924–25.	170	..	..	170
Moyar	Clear-felling and planting (*c*).	..	..	..	..
Bidurahalla	Stump planting (*d*) ..	15	..	..	15
	Total ..	482	..	..	482

(*a*) Added on account of Adavankannu
(*b*) Error
(*c*) Expenditure
(*d*) Value of

during the forest year 1927–28—*cont.*

Expenditure during the year.		Total expenditure from commencement including expenditure on all failed areas.			Total area written off from start.	Expenditure in failed areas.	Expenditure from commencement excluding failed areas.	Revenue during the year.	Total revenue from date of creation.
Creation.	Upkeep.	Creation.	Upkeep.	Total.					
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
RS.	RS.	RS.	RS.	RS.	ACS.	RS.	RS.	RS.	RS
161	77	407	146	553	..	..	553	..	..
166	1,007	5,456	5,213	10,669	275	..	9,648	..	..
167	30	167	30	197	..	..	197	..	..
..	100	1,541	2,434	3,975	..	..	3,975	..	..
..	107	289	4,513	4,802	..	..	4,802	..	..
..	1,163	6,520	6,579	13,099	214	..	12,882	..	..
..	92	357	508	865	..	..	865	..	..
..	45	..	145	145	..	..	145	..	..
..	251	..	8,127	8,127	..	..	8,127	..	..
..	223	1,725	223	1,948	..	..	1,948	..	..
624	..	624	..	624	..	..	624	..	..
1,118	3,175	27,542	28,344	55,886	489	..	54,648	..	2,508
6,496	3,999	45,593	36,424	82,017	..	..	82,017	} 2,398	33,439
244	201	451	12,280	12,731	..	..	12,731		
11	30	5,698	8,746	14,444	4,399	..	2,171	..	..
6,751	4,230	51,742	57,150	1,09,192	4,399	..	96,919	2,398	33,439
..	..	..	..	..	..	..	..	..	..
..	..	504	5,139	5,643	13	..	5,417	..	..
..	286	2,196	3,624	5,820	..	..	5,820	..	..
..	..	3,528	2,129	5,657	..	..	5,657	..	..
..	..	101	..	101	..	..	101	..	..
..	200	369	200	569	..	..	569	98	..
..	486	6,698	11,092	17,790	13	..	17,564	98	..

plantation disafforested and deducted twice.
corrected.
on Nursery.
ragi.

Plantations not under working-plans

Division and forest. (1)	Method of formation and year of commencement. (2)	Area in acres: At commencement of year, 1st April 1927. (3)	Added during year, 1st April 1927 to 31st March 1928. (4)	Excluded during year, 1st April 1927 to 31st March 1928. (5)	On 31st March 1928. (6)
SIXTH CIRCLE—*cont.*					
Palghat—					
Puliyampatti tope reserve.	Taungya plantation, 1919–20.	20	..	..	20
Vellapthi	Cultural operations, 1919–20.	39	..	..	39
Muthikulam bungalow compound.	Cultural operations, 1921–22.	4	.	..	4
Palghat Range Office compound.	Cultural operations, 1919–20.	1	..	..	1
Dhoni reserve	Cultural operations, 1919–20.	10	..	..	10
Chenat Nair reserve ..	Cultural operations, 1920–21.	294 — 50 *	20	..	264
Elival teak plantation..	....	..	..	..	..
Dhoni—planting teak in 5 acres.	....	..	..	..	..
Elival teak plantation, old.	1919–20.	10	..	..	10
	Total ..	328	20	..	348
	Grand Total ..	11,694	650	100	12,244
	Parlakimedi Maliahs ..	171	15	..	186
	Grand Total, Presidency.	30,094·78	1,636	308	31,422·78

* Failure area omitted

† Represents cost of Nursery

during the forest year 1927-28—*cont.*

Expenditure during the year.		Total expenditure from commencement including expenditure on all failed areas.			Total area written off from start.	Expenditure in failed areas.	Expenditure from commencement excluding failed areas.	Revenue during the year.	Total revenue from date of creation.
Creation. (7)	Upkeep. (8)	Creation. (9)	Upkeep. (10)	Total. (11)	(12)	(13)	(14)	(15)	(16)
RS.	RS.	RS.	RS.	RS.	ACS.	RS.	RS.	RS.	RS.
..	..	..	329	329	..	..	329	..	..
..	..	573	59	632	..	..	632	..	..
..	..	110	..	110	..	..	110	..	..
..	..	50	53	103	..	..	103	..	..
..	..	2,794	1,514	4,308	115	..	344	..	..
496	538	3,738	14,180	17,918	359	..	7,279	..	..
178	..	178	..	178	..	..	† 178	..	..
68	..	68	..	68	..	..	68	..	..
..	..	..	123	123	..	..	123	..	..
742	538	7,511	16,258	23,769	474	..	9,166	..	..
10,162	10,334	1,05,523	1,21,956	2,27,479	5,735	424	1,97,851	2,496	35,233
20	72	467	1,539	2,005	..	3	2,002	..	..
15,459	12,943	7,48,497	3,61,559	11,10,055	13,231	1,194	11,90,355	45,127	6,58,818

to be deducted.
expenditure on clearing the area.

ANNUAL FORM No. 35.

Forest Department, Madras Presidency.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1927–28 and agency of exploitation.

Division.	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or square timber.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
FIRST CIRCLE.															
I. Reserved Forests.															
Ganjam	540	34	9	3	586	12	41	4	..	57	..	..	..	..	..
Vizagapatam	2	..	..	..	2	..	19	..	..	19	..	..	..	..	..
Gōdāvari, Upper ..	55	1	..	..	56	13	..	..	..	13	..	..	..	..	..
Do. Lower ..	5	..	..	..	5	1	..	..	..	1	..	..	..	..	..
Guntur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	1	2	..	..	3	..	..	..	..	..	..	..	..	..	..
Total ..	603	37	9	3	652	26	60	4	..	90	..	..	..	..	..
II. Leased Forests—Nil.															
III. Unreserved Forests.															
Ganjām	7	53	4	..	64	1	1	..	..	2	..	..	..	..	..
Vizagapatam	..	..	..	..	..	..	43	7	..	50	..	..	..	..	..
Gōdāvari, Upper ..	19	1	2	..	22	2	2	1	..	5	..	..	..	..	..
Do. Lower ..	..	140	52	..	192	..	1	..	..	1	..	5	..	..	5
Guntur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	30	279	..	309	..	..	..	..	..	..	..	..	..	..
Total ..	26	224	337	..	587	3	47	8	..	58	..	5	..	..	5
IV. Unreserved Lands—Nil.															
Grand Total ..	629	261	346	3	1,239	29	107	12	..	148	..	5	..	..	5

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1927–28 and agency of exploitation—*cont.*

Division.	Miscellaneous.					Total timber.					Fuel.					Total outturn.
	Government. (17)	Purchasers. (18)	Free-grantees. (19)	Right-holders. (20)	Total. (21)	Government. (22)	Purchasers. (23)	Free-grantees. (24)	Right-holders. (25)	Total. (26)	Government. (27)	Purchasers. (28)	Free-grantees. (29)	Right-holders. (30)	Total. (31)	(32)
FIRST CIRCLE—*cont.*																
I. Reserved Forests—cont.																
Ganjām	..	..	..	..	..	552	75	13	3	643	30	265	..	80	375	1,018
Vizagapatam	..	..	..	..	..	2	19	..	..	21	..	232	..	..	232	253
Gōdāvari, Upper ..	..	..	..	..	..	68	1	..	..	69	..	..	..	..	..	69
Do. Lower ..	..	..	..	..	..	6	..	..	..	6	46	..	..	..	46	52
Guntur	..	13	..	..	13	..	13	..	..	13	100	572	..	..	672	685
Nellore	..	..	..	..	..	1	2	..	..	3	3	1,805	..	..	1,808	1,811
Total ..	..	13	..	..	13	629	110	13	3	755	179	2,874	..	80	3,133	3,888
II. Leased Forests—Nil.																
III. Unreserved Forests.																
Ganjām	..	..	..	..	..	8	54	4	..	66	3	170	..	..	173	239
Vizagapatam	..	..	..	..	..	..	43	7	..	50	..	36	..	..	36	86
Gōdāvari, Upper ..	..	..	..	..	..	21	3	3	..	27	12	48	..	..	60	87
Do. Lower ..	..	..	..	..	..	..	146	52	..	198	..	1,392	109	..	1,501	1,699
Guntur	..	318	27	..	345	..	318	27	..	345	..	168	..	..	168	513
Nellore	..	..	..	..	..	..	30	279	..	309	..	360	..	..	360	669
Total ..	..	318	27	..	345	29	594	372	..	995	15	2,174	109	..	2,298	3,293
IV. Unreserved Lands—Nil.																
Grand Total ..	..	331	27	..	358	658	704	385	3	1,750	194	5,048	109	80	5,431	7,181

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1927–28 and agency of exploitation—*cont.*

Division.	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or square timber.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Govern-ment.	Purchasers.	Free-grantees.	Right-holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
SECOND CIRCLE.															
I. Reserved Forests.															
Anantapur	..	42	3	..	45	..	..	..	..	..	..	..	..	..	..
Kurnool, East ..	12	..	..	..	12	..	..	..	..	..	1	..	..	..	1
Do. South ..	28	15	..	..	43	10	81	2	..	93	..	..	..	..	..
Do. West ..	15	20	1	..	36	24	..	1	..	25	3	..	..	..	3
Cuddapah, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	55	77	4	..	136	34	81	3	..	118	4	.	..	..	4
II. Leased Forests—Nil.															
III. Reserved Lands—Nil.															

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1927–28 and agency of exploitation—*cont.*

Division.	Miscellaneous.					Total timber.					Fuel.					Total outturn. (32)
	Government. (17)	Purchasers. (18)	Free-grantees. (19)	Right-holders. (20)	Total. (21)	Government. (22)	Purchasers. (23)	Free-grantees. (24)	Right-holders. (25)	Total. (26)	Government. (27)	Purchasers. (28)	Free-grantees. (29)	Right-holders. (30)	Total. (31)	
SECOND CIRCLE—*cont.*																
I. Reserved Forests —cont.																
Anantapur	..	..	..	..	..	..	42	3	..	45	..	30	..	..	30	75
Kurnool, East ..	4	..	..	..	4	17	..	..	..	17	15	..	..	..	15	32
Do. South ..	..	1	..	..	1	38	97	2	..	137	2	740	..	..	742	879
Do. West ..	..	..	..	..	..	42	20	2	..	64	147	5	..	1	153	217
Cuddapah, North ..	5	43	28	..	76	5	43	28	..	76	29	1,209	..	..	1,238	1,314
Do. South ..	2	40	8	..	50	2	40	8	..	50	11	2,759	..	..	2,770	2,820
Total ..	11	84	36	..	131	104	242	43	..	389	204	4,743	..	1	4,948	5,337
II. Leased Forests—Nil.																
III. Reserved Lands—Nil.																

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1927-28 and agency of exploitation—*cont.*

Division.	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or square timber.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
SECOND CIRCLE—*cont.*															
IV. Unreserved Lands.															
Anantapur ..	..	227	3	..	230	..	..	..	..	..	..	..	..	..	..
Kurnool, East ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	17	..	..	17	..	..	..	..	..	..	..	..	..	..
Do. West ..	..	53	..	..	53	..	..	..	..	..	..	..	..	..	..
Cuddapah, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	297	3	..	300	..	..	..	..	..	..	..	..	..	..
Grand Total ..	55	374	7	..	436	34	81	3	..	118	4	..	..	..	4

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1927–28 and agency of exploitation—*cont.*

Division.	Miscellaneous.					Total timber.					Fuel.					Total outturn.
	Government. (17)	Purchasers. (18)	Free-grantees. (19)	Right-holders. (20)	Total. (21)	Government. (22)	Purchasers. (23)	Free-grantees. (24)	Right-holders. (25)	Total. (26)	Government. (27)	Purchasers. (28)	Free-grantees. (29)	Right-holders. (30)	Total (31)	(32)
SECOND CIRCLE—*cont.*																
IV. Unreserved Lands —cont.																
Anantapur ..	..	..	..	..	..	..	227	3	..	230	..	242	..	..	242	472
Kurnool, East ..	..	6	..	..	6	..	6	..	..	6	..	23	..	..	23	29
Do. South ..	..	..	..	..	..	..	17	..	..	17	..	106	..	..	106	123
Do. West ..	..	..	..	..	..	..	53	..	..	53	..	105	..	..	105	158
Cuddapah, North ..	..	22	..	..	22	..	22	..	..	22	..	150	..	..	150	172
Do. South ..	..	3	1	..	4	..	3	1	..	4	..	57	..	..	57	61
Total ..	..	31	1	..	32	..	328	4	..	332	..	683	..	..	683	1,015
Grand Total ..	11	115	37	..	163	104	570	47	..	721	204	5,426	..	1	5,631	6,352

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1927-28 and agency of exploitation—*cont.*

Division.	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or square timber.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
FOURTH CIRCLE.															
I. Reserved Forests.															
Chittoor	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vellore	1	7	..	..	8	..	..	..	..	..	..	..	..	..	..
Salem, North ..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	2
Do. Central ..	{ 1 (a) 1	} 16	..	..	{ 17 (a) 1 }	..	..	..	..	..	..	..	..	..	..
Do. South	..	..	..	..	..	..	..	..	..	..	(a) 1	..	..	..	(a) 1
Total ..	3	23	..	..	26	..	..	..	..	..	3	..	..	..	3
II. Leased Forests—Nil.															
III. Reserved Lands—Nil.															
IV. Unreserved Lands.															
Chittoor	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vellore	..	212	28	..	240	..	..	..	..	..	..	..	..	..	..
Salem, North ..	..	..	..	..	..	..	50	..	..	50	..	..	..	..	..
Do. Central ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	212	28	..	240	..	50	..	..	50	..	..	..	..	..
Grand Total ..	3	235	28	..	266	..	50	..	..	50	3	..	..	..	3

(a) Denotes sandalwood.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1927–28 and agency of exploitation—*cont.*

Division.	Miscellaneous.					Total timber.					Fuel.					Total outturn
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Total outturn
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
FOURTH CIRCLE—*cont.*																
I. Reserved Forests —cont.																
Chittoor	2	1	6	..	9	2	1	6	..	9	6	166	..	..	172	181
Vellore ..	(a) 4	..	..	..	(a) 4	1 (a) 4	7	..	..	8 (a) 4	14	279	..	..	293	305
Salem, North ..	.. (a) 8	1 ..	.. ..	.. ..	1 (a) 8	2 (a) 8	1	..	..	3 (a) 8	..	14	..	..	14	25
Do. Central ..	..	.	..	..	..	1 (a) 1	16	..	..	17 (a) 1	15	184	..	..	199	217
Do. South ..	..	1	..	..	1	1	1	..	..	2	19	109	..	..	128	130
Total ..	14	3	6	..	23	20	26	6	..	52	54	752	..	..	806	858
II. Leased Forests—Nil.																
III. Reserved Lands—Nil.																
IV. Unreserved Lands.																
Chittoor	..	40	1	..	41	..	40	1	..	41	..	41	..	..	41	82
Vellore ..	..	..	..	..	..	..	212	28	..	240	..	242	..	..	242	482
Salem, North	..	..	4	..	4	..	50	4	..	54	..	14	..	..	14	68
Do. Central	..	100	..	..	100	..	100	..	..	100	..	39	10	..	49	149
Do. South	..	65	3	..	68	..	65	3	..	68	..	118	..	..	118	186
Total ..	..	205	8	..	213	..	467	36	..	503	..	454	10	..	464	967
Grand Total ..	14	208	14	..	236	20	493	42	..	555	54	1,206	10	..	1,270	1,825

(*a*) Denotes sandalwood.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1927–28 and agency of exploitation—*cont.*

Division.	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or square timber.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
FIFTH CIRCLE.															
I. Reserved Forests.															
Kollegal	2	1	..	..	3	..	..	..	..	..	..	2	..	..	2
Coimbatore, North ..	2	3	..	..	5	4	..	..	..	4	10	..	..	..	10
Do. South ..	1	..	..	..	1	..	..	..	..	..	26	..	..	..	26
Madura	4	..	..	..	4	..	..	..	..	..	..	..	..	..	..
Tinnevelly	1	28	..	..	29	..	8	..	..	8	1	4	..	..	5
Total ..	10	32	..	..	42	4	8	..	..	12	37	6	..	..	43
II. Leased Forests.															
Coimbatore, South ..	96	..	..	..	96	..	..	..	..	..	..	..	..	..	..
III. Reserved Lands—Nil.															
IV. Unreserved Lands.															
Kollegal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Coimbatore, North ..	..	73	1	..	74	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly	..	4	..	..	4	..	..	..	..	..	..	..	..	..	..
Total ..	..	77	1	..	78	..	..	..	..	..	..	..	..	..	..
Grand Total ..	106	109	1	..	216	4	8	..	..	12	37	6	..	..	43

Note for the Fifth Circle.

Unreserved Lands.—Estimates based on money value collected on the Tahsildars have not furnished the actual outturn :—

Kollegal and Coimbatore, North.— { Sandalwood—Factor of conversion—2 qrs. = 1 cubic foot.
Agricultural implements—Factor of conversion—Each implement = 1 cubic foot.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1927–28 and agency of exploitation—*cont.*

Division.	Miscellaneous.					Total timber.					Fuel.					Total outturn.
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
FIFTH CIRCLE—*cont.*																
I. Reserved Forests—cont.																
Kollegal	..	3	..	..	3	2	6	..	..	8	..	216	..	..	216	224
Coimbatore, North ..	..	..	..	..	..	16	3	..	..	19	15	895	..	..	910	929
Do. South ..	2	13	..	..	15	29	13	..	..	42	59	304	..	..	363	405
Madura	..	18	..	..	18	4	18	..	..	22	3	870	..	..	873	895
Tinnevelly	..	6	..	..	6	2	46	..	..	48	39	671	..	..	710	758
Total ..	2	40	..	..	42	53	86	..	..	139	116	2,956	..	..	3,072	3,211
II. Leased Forests—cont.																
Coimbatore, South ..	5	..	..	..	5	101	..	..	..	101	..	..	..	..	..	101
III. Reserved Lands—Nil.																
IV. Unreserved Lands—cont.																
Kollegal	..	23	..	..	23	..	23	..	..	23	..	3	..	..	3	26
Coimbatore, North ..	..	..	..	..	..	..	73	2	..	75	..	32	..	..	32	107
Do. South ..	..	16	..	..	16	..	16	3	..	19	..	22	..	..	22	41
Madura	..	266	7	..	273	..	266	7	..	273	..	204	..	..	204	477
Tinnevelly	..	..	..	..	..	..	4	..	..	4	..	274	..	..	274	278
Total ..	..	305	7	..	312	..	382	12	..	394	..	535	..	..	535	929
Grand Total ..	7	345	7	..	359	154	468	12	..	634	116	3,491	..	..	3,607	4,241

Note for the Fifth Circle.

Unreserved lands.—Estimate based on money value collected as the Tahsildars have not furnished the actual outturn :—

Kollegal and Coimbatore, North.— { Sandalwood—Factor of conversion—2 qrs. = 1 cubic foot.
Agricultural implements—Factor of conversion—Each implement = 1 cubic foot.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1927-28 and agency of exploitation—*cont.*

Division.	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or square timber.					Total.
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
SIXTH CIRCLE															
I. Reserved Forests.															
Mangalore, North ..	63	..	..	..	63	2	..	..	..	2	..	..	..	..	..
Do. South ..	128	8	..	..	136	..	..	..	..	..	..	..	..	..	..
Wynad	91	4	..	..	95	6	..	..	..	6	85	..	..	..	85
Nilambur	72	..	..	..	72	40	..	..	..	40	..	..	..	..	..
The Nilgiris	73	2	..	..	75	..	..	..	..	..	..	..	..	..	..
Palghat	5	37	..	..	42	..	..	..	..	..	..	..	..	..	..
Total ..	432	51	..	..	483	48	..	..	..	48	85	..	..	..	85
II. Leased Forests.															
Nilambur	135	1	..	..	136	10	..	..	..	10	..	1	..	..	1
III. Reserved Lands															
The Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
IV. Unreserved Lands.															
Mangalore, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wynad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nilambur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palghat	..	9	..	..	9	..	..	..	..	..	..	..	..	..	..
Total ..	..	9	..	..	9	..	..	..	..	..	..	..	..	..	..
Grand Total ..	567	61	..	..	628	58	..	..	..	58	85	1	..	..	86

Note for the Sixth Circle—

North Mangalore.—Actuals—factor of conversion :—
- Sandalwood 2 qrs. = 1 cubic foot.
- Fuel 2 stacked cubic feet = 1 cubic foot.
- ,, cartload = 20 cubic foot.
- ,, headload = 1 cubic foot.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1927–28 and agency of exploitation—*cont.*

Division.	Miscellaneous.					Total timber.					Fuel.					Total outturn.
	Government (17)	Purchasers. (18)	Free-grantees. (19)	Right-holders. (20)	Total. (21)	Government. (22)	Purchasers. (23)	Free-grantees. (24)	Right-holders. (25)	Total. (26)	Government. (27)	Purchasers. (28)	Free-grantees. (29)	Right-holders. (30)	Total. (31)	(32)
SIXTH CIRCLE—*cont.*																
I. Reserved Forests—cont.																
Mangalore, North ..	..	15	..	..	15	65	15	..	..	80	48	648	..	..	696	776
Do. South ..	..	5	..	..	5	128	13	..	..	141	..	126	..	..	126	267
Wynad	..	..	..	..	..	182	4	..	..	186	..	..	..	..	..	186
Nilambur	..	..	..	..	..	112	..	..	..	112	1	..	..	..	1	113
The Nilgiris ..	..	..	..	..	..	73	2	..	..	75	492	25	..	..	517	592
Palghat	..	..	..	..	..	5	37	..	..	42	5	493	..	..	498	540
Total ..	..	20	..	..	20	565	71	..	..	636	546	1,292	..	..	1,838	2,474
II. Leased Forests—cont.																
Nilambur	3	..	..	..	3	148	2	..	..	150	1	1	..	..	2	152
III. Reserved Lands—																
The Nilgiris	..	..	..	..	..	..	..		..	..	..	..	1	..	1	1
IV. Unreserved Lands—cont.																
Mangalore, North ..	..	16	..	12	28	..	16	..	12	28	..	82	..	..	82	110
Do. South ..	..	22	..	4	26	..	22	..	4	26	..	28	..	..	28	54
Wynad	..	6	..	..	6	..	6	..	..	6	..	59	..	..	59	65
Nilambur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris ..	..	7	..	..	7	..	7	..	..	7	..	41	..	..	41	48
Palghat	..	..	..	1	..	..	9	1	..	10		58	..	..	58	68
Total ..	..	51	..	17	68	..	60	1	16	77	..	268	..	..	268	345
Grand Total ..	3	71	..	17	91	713	133	1	16	863	547	1,561	1	..	2,109	2,972

Note for the Sixth Circle—cont.

North Mangalore.—Actuals—factor of conversion :—
- Sandalwood 2 qrs = 1 cubic foot.
- Fuel 2 stacked cubic feet = 1 cubic foot.
- „ cartload = 20 cubic foot.
- „ headload = 1 cubic foot.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1927–28 and agency of exploitation—*cont.*

Division.	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or square timber.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Reserved Forests— *Ch. Forest Engineer.*															
Exploitation division.	154	..	..	..	154	..	..	..	..	..	44	..	..	..	44
Utilization division.	10	..	..	..	10	..	..	..	..	..	6	..	..	..	6
Sand Mill and Extraction division ..	..	..	..	..	..	..	..	..	..	..	51	..	..	..	51
Total ..	164	..	..	..	164	..	..	..	..	..	101	..	..	..	101
Reserved Lands— Parlakimedi Maliahs.	2	10	1	5	18	..	14	..	4	18	..	..	..	..	..
Total. Reserved forest.	1,267	220	13	3	1,503	112	149	7	..	268	230	6	..	..	236
Total. Leased forests.	231	1	..	..	232	10	..	..	..	10	..	1	..	..	1
Total. Reserved lands.	2	10	1	5	18	..	14	..	4	18	..	..	..	..	..
Total. Unreserved lands.	26	819	369	..	1,214	3	97	8	..	108	..	5	..	..	5
Grand Total, Presidency.	1,526	1,050	383	8	2,967	125	260	15	4	404	230	12	..	..	242

South Mangalore.—Actuals.
Wynad.—Reserves—Actuals.
Unreserves—Timber calculated on money value at 6 annas per cubic foot and fuel 3 pies per cubic foot based on seigniorage rates.
Nilambur.—Actuals.
Nilgiris.—Reserved forests and reserved lands—Actuals.
Unreserved lands.—Timber—Calculated on money value at 1 anna per cubic foot.
Fuel— Do. do.
Palghat.—Reserves—Actuals.
Unreserved lands—Money value converted at 4 annas per cubic foot for timber and 6 pies per cubic foot for fuel.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1927-28 and agency of exploitation—*cont.*

Division.	Miscellaneous.					Total timber.					Fuel.					Total outturn.
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
Reserved Forests— *Ch. Forest Engineer.*																
Exploitation division.	..	..	..	..	..	198	..	..	..	198	14	..	..	..	14	212
Utilization division .	..	..	..	..	..	16	..	..	..	16	..	..	..	..	..	16
Sand Mill and Extraction division ..	..	..	..	..	..	51	..	..	..	51	..	..	..	..	..	51
Total ..	..	..	..	..	..	265	..	..	..	265	14	..	..	..	14	279
Reserved Lands— Parlakimedi Maliahs.	..	..	..	1	1	3	23	2	10	38	40	114	..	..	154	192
Total. Reserved forest.	27	160	42	..	229	1,636	535	62	3	2,236	1,113	12,617	..	81	13,811	16,047
Total. Leased forests.	8	..	..	..	8	249	2	..	..	251	1	1	..	..	2	253
Total. Reserved lands.	..	..	..	1	1	3	23	2	10	38	40	114	1	..	155	193
Total. Unreserved lands.	..	910	43	17	970	29	1,831	425	16	2,301	15	4,114	119	..	4,248	6,549
Grand Total, Presidency.	35	1,070	85	18	1,208	1,917	2,391	489	29	4,826	1,169	16,846	120	81	18,216	23,042

South Mangalore.—Actuals.
Wynad.—Reserves—Actuals.
Unreserves—Timber calculated on money value at 6 annas per cubic foot and fuel 3 pies per cubic foot based on seigniorage rates.
Nilambur.—Actuals.
Nilgiris.—Reserved forests and reserved lands—Actuals.
Unreserved lands.—Timber—Calculated on money value at 1 anna per cubic foot.
Fuel— Do. do.
Palghat.—Reserves—Actuals.
Unreserved lands—Money value converted at 4 annas per cubic foot for timber and 6 pies per cubic foot for fuel.

Annual Form No. 36.

Forest Department, Madras Presidency.

Outturn of minor forest produce during the year 1927–28.

Circle.	Description of produce.	Produce removed or utilized					
		By Government agency.		By purchasers.	By free grantees.	By right-holders.	Total.
		Quantity.	Value.	Value.	Value.	Value.	Value.
First Circle.	*Reserved forests.*	NO.	RS.	RS.	RS.	RS.	RS.
	Bamboos	58,751	173	64,438	474	28	65,113
	Grazing	..	..	1,14,913	12,444	2,143	1,29,500
	Other produce.						
	Grass (hay, thatch, etc.), quarters of 28 lb.	79,809	61	1,735	..	..	1,796
	Tamarind, soapnuts, galnuts, nux-vomica, shekoi, etc.	7,185	10,160	13,561	..	..	23,721
	Horns, honey, wax, resin, gum, skins, etc.	..	..	514	..	..	514
	Tangedu, etc., barks and fibres.	521	849	9,871	..	..	10,720
	Date and palmyra leaves, stalks, etc.	360	5	443	..	..	448
	Manure leaves and thorns ..	..	..	1,088	..	..	1,088
	Stone, gravel, etc.	..	..	394	..	..	394
	Miscellaneous, including tree-tapping and tree-owners' fees.	991	2,210	5,419	..	..	7,629
	Total, Minor produce ..	88,866	13,285	33,025	..	..	46,310
	Total, Reserved forests ..	..	13,458	2,12,376	12,918	2,171	2,40,923
	Reserved lands.						
	Bamboos	550	17	30,215	..	..	30,232
	Other produce.						
	Grass (hay, thatch, etc.) ..	..	..	54	..	..	54
	Tamarind, soapnuts, galnuts, nux-vomica, shekoi, etc.	18	4	18,095	..	..	18,095
	Horns, honey, wax, resin, gum, skins, etc.	..	..	322	..	..	322
	Tangedu, etc., barks and fibres.	..	..	86	..	..	86
	Miscellaneous	..	..	409	..	..	409
	Total, Minor produce ..	18	4	18,966	..	..	18,970
	Total, Reserved lands ..	..	21	49,181	..	..	49,202
	Unreserves.						
	Bamboos	10,570	88	6,579	200	..	6,867
	Grazing	..	..	93	..	..	93

Outturn of minor forest produce during the year 1927-28—*cont*

Circle.	Description of produce.	Produce removed or utilized: By Government agency. Quantity.	By Government agency. Value.	By purchasers. Value.	By free grantees. Value.	By right-holders. Value.	Total. Value.
First Circle—*cont.*	***Other produce.***	NO.	RS.	RS.	RS.	RS.	RS.
	Grass (hay, thatch, etc.) ..	2,579	41	366	..	..	407
	Tamarind, soapnuts, galnuts, nux-vomica, shekoi, etc.	36	8	384	.	..	392
	Tangedu, etc., barks and fibres.	..	..	4,640	..	..	4,640
	Date and palmyra leaves, stalks, etc.	..	..	311	4,880	..	5,191
	Stones, gravel, etc.	..	..	546	..	..	546
	Miscellaneous, including tree-tapping and tree-owners' fees.	298	189	48,104	24	..	48,317
	Total, Minor produce ..	2,913	238	54,351	4,904	..	59,493
	Total, Unreserves ..	..	326	61,023	5,104	..	66,453
	Abstract for the Circle.						
	Bamboos	69,871	278	1,01,232	674	28	1,02,212
	Grazing	..	..	1,15,006	12,444	2,143	1,29,593
	Other produce	..	13,527	1,06,342	4,904	..	1,24,773
	Grand Total ..	..	13,805	3,22,580	18,022	2,171	3,56,578
Second Circle.	***Reserves.***						
	Bamboos	137,973	2,148	61,837	247	1	64,233
	Grazing	..	..	1,55,492	67	3,618	1,59,177
	Fodder grass	400	19	1,696	..	..	1,715
	Penning fees	..	..	2,714	..	..	2,714
	Total, Grazing fees ..	400	19	1,59,902	67	3,618	1,63,606
	Minor forest produce.						
	Grass (hay, thatch, etc.) ..	5,255	1,187	426	25	21	1,659
	Tamarind, soapnuts and nux-vomica.	143	232	233	..	..	465
	Stone, gravel and earth ..	..	..	10,800	27	..	10,827
	Date, palmyra and platter leaves.	..	..	2,037	..	..	2,037
	Manure leaves, bats' dung and thorns.	..	..	2,949	..	..	2,949
	Tumki leaves	..	..	12,824	..	..	12,824
	Horns, honey, wax, resin, gum and galnuts.	67	305	6,298	..	..	6,603
	Tangedu, rela, yepi and seeds.	591	36	26,994	..	..	27,030
	Miscellaneous including tree-tapping fees and amaroy.	12	268	3,105	..	..	3,373
	Total, Minor forest produce ..	6,068	2,028	65,666	52	21	67,767
	Grand Total of grazing and minor forest produce.	6,468	2,047	2,25,568	119	3,639	2,31,373

Outturn of minor forest produce during the year 1927–28—*cont.*

Circle.	Description of produce.	Produce removed or utilized — By Government agency — Quantity.	By Government agency — Value.	By purchasers — Value.	By free grantees — Value.	By right-holders — Value.	Total — Value.
	Unreserves.	NO.	RS.	RS.	RS.	RS.	RS.
Second Circle—*cont.*	Bamboos	..	..	4	..	..	4
	Minor forest produce.						
	Tamarind, soapnuts and nux-vomica.	..	..	39,147	..	..	39,147
	Stone, gravel and earth.. ..	..	..	1,511	..	..	1,511
	Date, palmyra and platter leaves.	..	..	76	78	..	154
	Manure leaves, bats dung and thorns.	..	..	94	..	..	94
	Tangedu, rela, yepi and seeds ..	..	..	1,21,394	..	..	1,21,394
	Miscellaneous, including tree tapping fees and amaroy.	..	..	82,674	..	..	82,674
	Tumki leaves	..	..	2,397	..	..	2,379
	Total of minor forest produce ..	..	..	2,47,275	78	..	2,47,353
	Grand total of bamboos of reserves and unreserves.	137,973	2,148	61,841	247	1	64,237
	Grant total of grazing and minor forest produce of reserves and unreserves.	6,468	2,047	4,72,843	197	3,639	4,78,726
Fourth Circle.	Bamboos	7,025	156	1,11,839	594	..	1,12,589
	Grass and grazing	..	..	1,92,951	..	..	1,92,951
	Thatch grass	..	..	313	..	..	313
	Tamarind, soapnuts, galnuts, nux-vomica, etc.	..	..	6,894	..	..	6,894
	Avaram, surul, konnai, etc., barks.	..	..	21,889	..	..	21,889
	Manure leaves	..	..	10,267	..	..	10,267
	Stones, gravel, etc.	..	..	1,726	338	..	2,064
	Fees for tree-tapping and sivayajama tree-tax.	..	..	27,489	..	..	27,489
	Miscellaneous, including seeds collected departmentally.	950	710	60,490	243	..	61,443
	Total, Minor forest produce ..	950	710	1,29,068	581	..	1,30,359
	Grand Total ..	..	866	4,33,858	1,175	..	4,35,899
Fifth Circle.	*Reserved forests.*						
	Bamboos	(a) 590	(a) 7	40,955	108	..	41,070
	Grazing	..	..	1,33,778	19	2,976	1,36,773
	Fodder grass	..	..	876	..	..	876
	Total ..	..	..	1,34,654	19	2,976	1,37,649

(a) Used for building purposes in North Coimbatore.

Outturn of minor forest produce during the year 1927-28—*cont.*

Circle.	Description of produce.	Produce removed or utilized					
		By Government agency.		By purchasers.	By free grantees.	By right-holders.	Total.
		Quantity.	Value.	Value.	Value.	Value.	Value.
Fifth Circle—*cont.*	*Other produce.*	NO.	RS.	RS.	RS.	RS.	RS.
	Grass (thatch, korai, etc.) ..	QRS. (*a*) 220	(*a*) 33	3,631	..	..	3,664
	Dammar, turmeric, pepper, cardamoms, etc.	..	..	10,510	..	..	10,510
	Tamarind, soapnuts, galnuts, nux-vomica, shekoi, etc.	QRS. 7½	6	19,988	..	..	19,994
	Horns, honey, wax, gum, resin, skin, etc.	QRS. 2	13	146	..	..	159
	Avaram, vembadam, etc., barks and fibres.	..	..	18,452	..	..	18,452
	Stones, earth, gravel, etc. ..	..	..	1,806	..	..	1,806
	Manure leaves, thorns, etc. ..	..	..	4,455	..	..	4,455
	Date and palmyra leaves, etc. ..	..	..	1,068	..	..	1,068
	Elephant tusks	QRS. 5½	1,285	965	..	..	2,250
	Miscellaneous	..	5	9,935	3	601	10,544
	Total ..	QRS. 235	1,342	(*b*) 70,956	3	601	72,902
	Unreserved lands.						
	Bamboos	..	..	1,543	..	..	1,543
	Other produce.						
	Avaram, vembadam, etc., barks and fibres.	..	..	17,468	..	..	17,468
	Grass (thatch, korai, etc.) ..	..	..	400	..	..	400
	Stones, earth, gravel, etc. ..	..	..	6,856	..	..	6,856
	Tamarind, soapnuts, galnuts, nux-vomica, etc.	..	..	2,749	..	..	2,749
	Miscellaneous	..	..	21,175	..	..	21,175
	Total ..	..	..	50,191	..	..	50,191
	Abstract.						
	Bamboos	590	7	42,948	108	..	42,613
	Grazing and fodder grass ..	..	..	1,34,654	19	2,976	1,37,649
	Other produce	QRS. 235	1,342	1,19,604	3	601	1,21,550
	Total ..	..	1,349	2,96,756	130	3,577	3,01,812
Sixth Circle.	*Reserved forests.*						
	Bamboos	51,807	3,373	18,111	11	..	21,495
	Grazing and fodder grass ..	..	173	31,176	433	..	3,17,812
	Other produce.						
	Catechu	..	..	8,728	..	..	8,728
	Avaram bark	..	..	1,190	..	..	1,190
	Stones, gravels, etc.	..	..	1,117	898	..	2,015
	Blue gum leaves	..	..	844	..	..	844
	Canes	..	..	345	25	..	370
	Wood oil	..	..	195	..	..	195
	Honey, wax	121	675	..	..	..	675
	Cocoanuts..	..	..	2,862	..	..	2,862
	Other items, including tusks ..	32	1,092	16,944	2	..	18,038
	Total ..	153	1,767	32,225	925	..	34,917
	Total Reserves ..	..	5,313	81,512	925	..	8,81,193

(*a*) Used for building purposes in North Coimbatore.
(*b*) Includes Rs. 625 collected in North Coimbatore relating to Nilgiri district in the sixth circle.

Outturn of minor forest produce during the year 1927–28—*cont.*

Circle.	Description of produce.	Produce removed or utilized: By Government agency. Quantity.	By Government agency. Value.	By purchasers. Value.	By free grantees. Value.	By right-holders. Value.	Total. Value.
Sixth Circle—*cont.*	***Reserved lands.***	NO.	RS.	RS.	RS.	RS.	RS.
	Bamboos	261	51	256	1	..	308
	Grazing and fodder grass ..	..	..	..	434	..	434
	Othermi nor produce	..	..	..	15	..	15
	Total ..	..	51	256	450	..	757
	Leased forests.						
	Bamboos	70,447	5,020	141	..	..	5,161
	Other minor forest produce ..	..	25	225	..	..	250
	Total ..	..	5,045	366	..	..	5,411
	Unreserved lands.						
	Bamboos	..	..	56	..	..	56
	Other minor forest produce.						
	Stones, gravel, etc.	..	..	651	5	..	656
	Other items	..	..	6,887	..	..	6,887
	Total ..	..	..	7,538	5	..	7,543
	Total, Unreserved lands ..	..	..	7,594	5	..	7,599
	Abstract for the Sixth Circle.						
	Bamboos	122,515	8,444	18,564	12	..	27,020
	Grazing and fodder grass ..	..	173	31,176	867	..	32,216
	Other produce	..	1,792	39,988	945	..	42,725
	Total ..	..	10,409	89,728	1,824	..	1,01,961
	Parlakimedi Maliahs.						
	Bamboos	..	..	2,962	25	405	3,392
	Grazing	..	..	1,379	..	..	1,379
	Minor produce	..	176	18,971	6	34	19,187
	Total ..	..	176	23,312	31	439	23,958
	Abstract.						
Total, Presidency.	Bamboos	337,874	11,033	3,38,936	1,660	434	3,52,063
	Grazing	..	192	6,35,068	13,397	8,737	6,57,394
	Minor produce	..	19,575	7,26,914	6,569	656	7,53,714
	Grand Total, Presidency ..	..	30,800	17,00,918	21,626	9,827	17,63,171

Annual Form No. 37.

Forest Department, Madras Presidency.

Account of timber, fuel, bamboos and minor produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of, during 1927–28.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
	TIMBER (IN THOUSANDS OF CUBIC FEET).				
First Circle.					
Ganjām	95	560	655	(a) 349 (b) 6	300
Vizagapatam	2	2	4	(a) 4	..
Gōdāvari, Upper	70	89	159	(a) 85 (b) 2	72
Do. Lower	3	6	9	(a) 3 (b) 1 (c) 2	3
Nellore	..	1	1	(a) 1	..
Total ..	170	658	828	453	375
Second Circle.					
Anantapur	..	..	..	..	..
Kurnool, East	3	17	20	13	2
Do. South	24	38	62	(a) 46	16
Do. West	16	42	58	(a) 45 (b) 1	12
Cuddapah, North	..	5	5	4	1
Do. South	5	2	7	5	2
Total ..	48	104	152	119	33
Fourth Circle.					
Chittoor	..	2	2	2	..
Vellore	5	5	10	9	1
Salem, North	2	10	12	11	1
Do. Central	..	2	2	2	..
Do. South	..	1	1	1	..
Total ..	7	20	27	25	2

(a) Sold departmentally. (b) Used departmentally. (c) Written off.

Account of timber, fuel, bamboos and minor produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of, during 1927–28—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
		TIMBER (IN THOUSANDS OF CUBIC FEET)—*cont.*			
Fifth Circle.					
Kollegal	..	2	2	(b) 2	..
Coimbatore, North	2	14 (b) + 2	18	16	2
Do. South	47 (a) + 4	130	181	101	80
Madura	3	4	7	4	3
Tinnevelly	1	2	3	2	1
Total ..	57	154	211	125	86
Sixth Circle.					
Mangalore, North ..	21	65	86	38 (a) 1	47
Do. South	39	128	167	17 (a) 2 (b) 2 (c) 86 (d) 8	52
Wynaad	207	181	388	139 (a) 6 (b) 3 (c) 88 (d) 21	131
Nilambur	382	260	642	343	299
The Nilgiris	13	73	86	19	67
Palghat	1	5	6	5	1
Total ..	663	712	1,375	778	597
Chief Forest Engineer.					
Sawmills and Extraction division.	19·3	281·7	301	196·4	104·6
Utilization division	18·6	73·6	92·2	61·2	31·0
Total ..	37·9	355·3	393·2	257·6	135·6
Parlakimedi Maliahs ..	·3	3	3·3	2·6	·7
Total, Presidency ..	983·2	2,006·3	2,989·5	1,760·2	1,229·3
		FUEL (IN THOUSANDS OF CUBIC FEET).			
First Circle.					
Ganjām	4	33	37	(a) 20 (b) 1	16
Vizagapatam	1	31	32	(a) 32	..
Gōdāvari, Upper	2	12	14	(a) 12 (b) 2	.. ..
Do. Lower	..	46	46	(a) 35	11
Guntur	35	66	101	(a) 97	4
Nellore	1	2	3	(a) 3	..
Total ..	43	190	233	202	31

Note for the Fifth Circle.—(a) Balance with Messrs Howard Brothers & Co., London, not accounted for in the last year's return.
(b) Transferred from Kollegal to North Coimbatore.

Note for the Sixth Circle.—(a) Used departmentally.
(b) Written off as wastage in conversion deficit or unsaleable.
(c) Issued to sawmills. (d) Issued to Forest Utilization Officer.

Note for the First Circle.—(a) Sold departmentally. (b) Used departmentally.

Account of timber, fuel, bamboos and minor produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1927-28—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
FUEL (IN THOUSANDS OF CUBIC FEET)—*cont.*					
Second Circle.					
Anantapur	..	..	..	..	..
Kurnool, East	17	15	32	25	7
Do. South	1	2	3	3	..
Do. West	86	147	233	(*a*) 203 (*b*) 1	29
Cuddapah, North	..	29	29	8	21
Do. South	51	11	62	62	..
Total ..	155	204	359	302	57
Fourth Circle.					
Chittoor	..	6	6	3	3
Vellore	21	14	35	29	6
Salem, North	..	..	..	..	..
Do. Central	..	15	15	11	4
Do. South	..	19	19	..	19
Total ..	21	54	75	43	32
Fifth Circle.					
Coimbatore, North	..	15	15	15	..
Do. South	..	59	59	59	..
Madura	1	3	4	4	..
Tinnevelly	..	39	39	38	1
Total ..	1	116	117	116	1
Sixth Circle.					
Mangalore, North ..	..	47	47	16	31
Nilambur	3	2	5	5	..
The Nilgiris	561	491	1,052	885 (*c*) 1 (*b*) 2	164
Palghat	..	5	5	4	1
Total ..	564	545	1,109	913	196
Parlakimedi Maliahs ..	4·3	80	84·3	72·7	11·6
Grand Total, Presidency ..	788·3	1,189	1,977·3	1,648·7	328·6

(*a*) Sold departmentally. (*b*) Written off. (*c*) Used departmentally.

Account of timber, fuel, bamboos and minor produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1927-28—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
		BAMBOOS (IN NUMBER).			
First Circle.					
Ganjām	2,750	11,930	14,680	(a) 1,612 (b) 11,368	1,700
Vizagapatam	..	4,900	4,900	(a) 4,000 (b) 900	..
Gōdāvari, Upper	1,700	50,640	52,340	(a) 28,150 (b) 17,240	6,950
Do. Lower	1,310	2,303	3,613	(a) 1,363 (b) 2,250	..
Guntur	..	..	..	..	..
Nellore	..	98	98	(b) 98	..
Total ..	5,760	69,871	75,631	66,981	8,650
Second Circle.					
Anantapur	10	200	210	210	Nil.
Kurnool, East	3,447	121,783	125,230	119,470	5,760
Do. South	..	..	..	..	..
Do. West	..	1,724	1,724	1,724	..
Cuddapah, North	..	3,725	3,725	2,317	1,408
Do. South	..	9,823	9,823	9,823	..
Total ..	3,457	137,255	140,712	133,544	7,168
Fourth Circle.					
Chittoor	..	4,180	4,180	4,180	..
Vellore	4,260	..	4,260	4,260	..
Salem, North	..	2,160	2,160	2,110	50
Do. Central	..	..	..	..	..
Do. South	..	685	685	685	..
Total ..	4,260	7,025	11,285	11,235	50
Fifth Circle.					
Coimbatore, North ..	30	590	620	534	86

Note for the First Circle—(a) Sold departmentally.
(b) Used departmentally.

Account of timber, fuel, bamboos and minor produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1927–28—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
		BAMBOOS (IN NUMBER)—*cont.*			
Sixth Circle.					
Mangalore, North	..	300	300	(a) 300	..
Nilambur	68,091	164,514	232,605	226,435	6,170
Palghat	..	260	260	260	..
Total ..	68,091	165,074	233,165	226,995	6,170
Parlakimedi Maliahs ..	..	400	400	400	..
Grand Total, Presidency ..	81,598	380,215	461,813	439,689	22,124
		MINOR FOREST PRODUCE (IN QUARTERS OF 28 LB.)			
First Circle.					
Ganjām	1,850	1,272	3,122	(b) 1,547	1,575
Vizagapatam	144	66	210	(a) 146	64
Gōdāvari, Upper	305	9,512	9,817	(b) 8,823 (c) 2	992
Do. Lower	66	41	107	(a) 4 (b) 72 (d) 4	27
Guntūr	281	2,531	2,812	(a) 2,771	41
Nellore	822	11,200	12,022	(a) 9,019 (b) 2,938 (c) 10	55
Total ..	3,468	24,622	28,090	25,336	2,754
Second Circle.					
Anantapur	32	27	59	57	2
Kurnool, East	781	217	998	993	5
Do. South	1,040	..	1,040	(b) 1,040	..
Do. West	..	38	38	(a) 38	..
Cuddapah, North	..	4,128	4,128	3,334	794
Do. South	13	1,658	1,671	1,671	..
Total ..	1,866	6,068	7,934	7,133	801
Fourth Circle.					
Chittoor	58	35	93	55	38
Vellore	177	623	800	167	633
Salem, North	287	112	399	302	97
Do. Central	21	105	126	91	35
Do. South	36	75	111	91	20
Total ..	579	950	1,529	706	823

Note for the Sixth Circle.—(a) Used departmentally.
Note for the First Circle.—(a) Sold departmentally.
(b) Used departmentally.
(c) Written off.
(d) Sent to other districts.
Note for the Second Circle.—(a) Sold departmentally.
(b) Used departmentally.

Account of timber, fuel, bamboos and minor produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1927–28—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
MINOR FOREST PRODUCE (IN QUARTERS OF 28 LB.)—*cont.*					
Fifth Circle.					
Kollegal	..	2	2	2	..
Coimbatore, North	..	220	220	220	..
Do. South	17	10	27	19	8
Total ..	17	232	249	241	8
Sixth Circle.					
Wynaad	3	..	3	3	..
The Nilgiris	174	149	323	136 (a) 103 (b) 3	81
Total ..	177	149	326	245	81
Parlakimedi Maliahs ..	495·5	9·89	505·39	415·5	89 89
Grand Total, Presidency ..	6,602·5	32,030·89	38,633·39	34,076·70	4,556·89

Note for the Sixth Circle.—(*a*) Used departmentally.
(*b*) Written off.

ANNUAL FORM No. 38.

Forest Department, Madras Presidency.

Statement showing the value of timber and other produce at sale depots for the year 1927–28.

District.	Description of timber or produce.	On hand at the commencement of the year.			On hand at the close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
	First Circle.			RS.			RS.	RS.	RS.
Vizagapatam	(*a*) Timber..	..	(*a*) 1,529	(*a*) 764	26	250	312	..	452
Nellore ..	....	..	..	..	..	42	7	7	..
Total ..	....	..	1,529	764	26	292	319	..	445
Nellore ..	Fuel ..	..	770	48	..	380	10	..	38
Do. ..	Minor forest produce.	..	qrs. 822	483		qrs 56	88	..	395
	Second Circle. Bellary.								
Kurnool, South.	Timber ..	..	24,152	21,093	..	15,716	11,987	..	9,106
Cuddapah, South.	Timber ..	..	4,730	6,356	..	2,003	2,619	..	3,737
Total ..	....	..	28,882	27,449	..	17,719	14,606	..	12,843
Kurnool, South.	Fuel ..	..	600	38	..	70	2	..	36
Cuddapah, South.	Fuel ..	.	50,833	562	..	153	3	..	559
Total ..	....	..	51,433	600	..	223	5	..	595
Kurnool, South.	Sandalwood	..	..	..	..	112½	28	28	..
Total ..	....	..	..	..	..	112½	28	28	..
Grand Total.		..	..	28,049	..	..	14,639	..	13,438
	Fourth Circle.								
Chittoor..	Timber ..	92	114	49	21	106	26	.	23
	Fuel ..	..	560	34	..	2,673	93	59	..
Vellore ..	Timber ..	..	4,327	1,38,178	..	200	6,685	..	1,31,493
Salem, North.	Timber ..	..	2,512	1,444	..	1,045	13,081	..	18,363
	Bamboos ..	..	..	.	50	..	1	1	
	Minor forest produce.	qrs. 286	..	1,692	qrs. 97	...	570	..	1,122
Salem, Central.	Timber ..	..	3	75	..	20	314	239	
	Fuel ..	..	..	..	..	3,477	380	380	
	Minor forest produce. ..	21	..	35	35	..	57	22	
Salem, South.	Timber ..	..	309	891	..	382	716	..	175
	Fuel ..	..	90	4	..	18,766	281	277	..
	Minor forest produce.	36	..	25	20	..	14	..	11
Total ..	....	..	..	1,72,427	..	..	22,218	..	1,50,209

(*a*) Revised figures.

Statement showing the value of timber and other produce at sale depots for the year 1927-28—*cont.*

District.	Description of timber or produce.	On hand at the commencement of the year. Number.	Cubic feet.	Value.	On hand at the close of the year. Number.	Cubic feet.	Value.	Difference in value. In favour of the year.	Against the year.
				ABSTRACT.					
	Fourth Circle —cont.			RS.			RS.	RS.	RS.
Salem South—*cont.*	Timber ..	..	7,265	1,70,637	.	1,753	20,822	..	1,49,815
	Fuel ..	..	650	38	..	24,916	754	716	
	Bamboos ..	qrs.	..	..	50	..	1	1	..
	Minor forest produce.	343	..	1,752	152	..	641	..	1,111
	Total ..	..	..	1,72,427	..	..	22,218	..	1,50,209
	Fifth Circle.								
Coimbatore, North.	Timber ..	..	1,945	24,658	..	2,010	34,697	10,039	..
	Bamboos ..	30	..	1	86	..	3	2	..
Coimbatore, South.	Timber ..	..	7,827	14,625	..	1	*	..	14,625
	Minor produce	..	17 qrs.	3,369	..	..		..	3,369
Madura ..	Timber ..	..	2,505 and 592 brake poles.	926	..	2,587 and 592 brake poles.	1,024	98	..
	Fuel ..	..	620	78		240	30	..	48
Tinnevelly	Timber ..	..	1,371	455	..	901	1,417	962	..
	Fuel ..	..	..	..	..	1,175	226	226	..
				ABSTRACT.					
	Timber ..	..	13,648 and 592 brake poles.	40,664	..	5,498 and 592 brake poles.	37,138	..	3,526
	Fuel ..	..	620	78	..	1,415	256	1 78	..
	Bamboos ..	30	..	1	86	..	3	2	..
	Minor produce.	..	17 qrs.	3,369	..	..	..	..	3,369
				44,12		..	37,397		6,715
	Sixth Circle.								
Mangalore, North.	Timber ..	..	20,083	11,059	..	35,087	18,065	7,006	..
Mangalore, South.	Timber ..	..	639	1,045	..	2,370	3,018	1,973	..
Wynaad ..	Timber ..	..	34,780	78,278	..	4,130	10,860	..	67,418
Nilambur ..	Timber ..	..	143	179	..	..	..	..	179
Total ..	....	..	55,645	† 90,561	..	41,587	31,943	897	58,618

* No sale depot in South Coimbatore. † 99,561 in the previous year is an error.

Statement showing the value of timber and other produce at sale depots for the year 1927-28—*cont.*

District.	Description of timber or produce.	On hand at the commencement of the year.			On hand at the close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number	Cubic feet.	Value.	In favour of the year.	Against the year.
	Sixth Circle —cont.			RS.			RS.	RS.	RS.
Utilization division.	Timber ..	..	18,573	33,668	..	30,984	62,622	28,954	..
Sawmills C. Extraction division.	Timber ..	..	19,343	39,509	..	104,670	1,25,675	86,616	..
	Total ..	..	37,916	73,177	..	135,654	1,88,297	1,15,120	..
Parla-kimedi Maliahs.	Timber ..	..	353	160	..	710	1.052	892	..
	Fuel ..	..	4,300	129	..	11,600	348	219	..
	Minor produce .	qrs. 496	..	455	qrs. 111	..	478	23	..
Total, Presidency.	Sandalwood.	..	..	..	..	112½	28	28	..
	Timber ..	..	145.238	4,03,412	..	1,203,213	2,94,177	..	1,09,235
	Fuel	..	57,773	893	..	38,534	1,373	480	..
	Bamboos ..	30	..	1	136	..	4	3	..
	Minor produce ..	qrs. 1678	..	6,059	qrs. 31	..	1,267	..	4,852
Grand Total, Presidency.	....	..	..	4,10,365	..	..	2,96,789	..	1,13,576

Annual Form No. 39 (Full Sheet).

Forest department, Madras Presidency.

Summary of revenue of the different districts, 1927–28.

Budget heads.	Direction.	Ganjam.	Vizagapatam.	Godavari Upper.	Godavari Lower.	Guntur.	Nellore.	Total.
First Circle.								
VIII. Forest receipts—								
(*a*) Timber and other produce removed from forests by Government Agency—	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Other produce—								
Timber	(*a*) 613	72,878	2,877	44,592	200	..	32	1,21,192
Firewood and charcoal.	24	1,856	206	624	366	5,745	153	8,974
Bamboos	..	14	..	19	..	..	..	33
Other minor produce..	(*a*)2,454	5	57	..	4	4	4,863	7,387
Total ..	3,091	74,753	3,140	45,235	570	5,749	5,048	1,37,586
Total, (*a*) ..	3,091	74,753	3,140	45,235	570	5,749	5,048	1,37,586
(*b*) Timber and other produce removed from the forests by consumers or purchasers—								
Forest Department—								
Timber	..	4,716	1,395	3,378	15,474	829	45	25,837
Firewood and charcoal.	(a)16,726	33,237	10,644	745	68,112	35,753	19,575	1,84,792
Bamboos	(a) 890	8,218	20,149	17,269	45,748	7,936	258	1,00,468
Grazing and fodder grass.	..	9,579	4,401	7,503	18,668	53,302	22,996	1,16,449
Other minor produce.	(*b*)2,340	1,580	7,779	2,488	25,599	13,510	8,948	62,244
Total, Forest Department.	19,956	57,330	44,368	31,383	1,73,601	1,11,330	51,822	4,89,790
Revenue Department—								
Timber	..	3,976	3,439	..	8,851	19,394	3,073	39,233
Firewood and charcoal.	..	10,428	1,622	..	2,393	10,483	8,906	33,832
Bamboos	..	379	..	..	..	..	14	393
Other minor produce.	..	3,742	5,024	..	12,424	11,993	5,958	39,141
Total, Revenue Department.	..	18,525	10,085	..	23,668	42,370	17,951	1,12,599
Total, (*b*) ..	19,956	75,855	54,453	31,383	1,97,269	1,53,700	69,773	6,02,389
(*c*) Drift and waifwood and confiscated forest produce.	..	195	24	657	2,804	313	935	4,928
(*d*) Profits from Government commercial undertakings.	..	8,390	..	..	..	..	..	8,390
(*e*) Miscellaneous—								
Fines and forfeitures..	..	239	553	386	1,875	1,363	287	4,703
Rents of buildings ..	..	2,236	588	1,141	965	308	1,025	6,263
Other sources	93	6,856	2,570	1,845	9,935	19,283	11,744	52,326
Total, (*e*) ..	93	9,331	3,711	3,372	12,775	20,954	13,056	63,292

(*a*) Rebates to Nellore district, (*b*) Rs. 2,240 relates to Nellore district.

Summary of revenue of the different districts, 1927-28—*cont.*

Budget heads.	Direction.	Ganjam.	Vizagapatam.	Godavari Upper.	Godavari Lower.	Guntur.	Nellore.	Total.
First Circle—cont.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
VIII. Forest receipts—*cont.*								
(*g*) Recoveries of indirect charges from Government commercial undertakings.	..	1,800	..	..	..	..	..	1,800
Total ..	23,140	1,70,324	61,328	80,647	2,13,418	1,80,716	88,812	8,18,385
(*h*) Deduct—Refunds—Voted—Refunds by Forest officers.	10	150	328	767	1,331	2,858	516	5,960
Grand Total ..	23,130	1,70,174	61,000	79,880	2,12,087	1,77,858	88,296	8,12,425

Summary of revenue of the different districts, 1927–28—*cont.*

Budget heads.	Direction.	Ananta-pur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total.
Second Circle.		RS.	RS.	RS.	RS.	RS.	RS.	RS.
VIII. Forest receipts—								
(*a*) Timber and other produce removed from forests by Government Agency—								
Sandalwood	..	1,498	..	..	..	..	2	1,500
Other produce —								
Timber	..	2	10,684	22,069	21,441	273	3,254	57,723
Firewood and charcoal	..	19	352	..	14,128	101	956	15,556
Bamboos	..	..	1,896	..	49	..	9	1,954
Other minor produce	.	11	1,575	9	11	..	3	1,609
Total, (*a*) ..	..	1,530	14,507	22,078	35,629	374	4,224	78,342
(*b*) Timber and other produce removed from the forests by consumers or purchasers—								
Forest Department—								
Timber	..	5,542	20	14,894	1,495	12,390	25,035	59,376
Firewood and charcoal	..	2,430	694	13,339	328	8,098	17,364	42,253
Bamboos	..	1,190	3,030	25,130	23,174	7,445	4,697	64,666
Grazing and fodder grass	..	29,790	32,330	19,698	35,681	27,883	14,593	1,59,975
Other minor produce	..	17,694	4,512	2,778	21,631	7,860	10,986	65,461
Total, Forest Department ..	..	56,646	40,586	75,839	82,309	63,676	72,675	3,91,731
Revenue Department—								
Timber	..	28,451	488	3,518	6,575	2,809	391	42,232
Firewood and charcoal	..	13,894	1,122	7,144	6,584	9,388	3,076	41,208
Bamboos	..	4	..	..	..	..	..	4
Other minor produce	..	2,14,478	1,748	2,999	17,847	2,573	7,699	2,47,344
Total, Revenue Department ..	..	2,56,827	3,358	13,661	31,006	14,770	11,166	3,30,788
(*c*) Drift and waifwood and confiscated forest produce ..	..	413	524	632	1,467	257	268	3,561

Summary of revenue of the different districts, 1927-28—*cont.*

Budget heads.	Direction.	Ananta-pur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total.
Second Circle—cont.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
VIII. Forest receipts—*cont.*								
(*e*) Miscellaneous—								
Fines and forfeitures	1	430	25	1,442	342	882	480	3,602
Rents of buildings	..	503	1,004	1,169	1,480	813	1,484	6,453
Other sources	825	35,307	7,815	9,436	23,226	6,919	4,755	88,283
Total (*e*) ..	826	36,240	8,844	12,047	25,048	8,614	6,719	98,338
Total ..	826	3,51,656	67,819	1,24,257	1,75,459	87,691	95,052	9,02,760
(*h*) Deduct—Refunds—Voted—								
Refunds by Forest officers	58	893	56	270	367	401	127	2,172
Grand total ..	768	3,50,763	67,763	1,23,987	1,75,092	87,290	94,925	9,00,588

Summary of revenue of the different districts, 1927–28—*cont.*

Budget heads.	Direction.	Working Plan officer, Nilambur.	Forest Research officer.	Total.
Third Circle.	RS.	RS.	RS.	RS.
VIII. Forest receipts—				
(*a*) Timber and other produce removed from forests by Government Agency—				
Other produce—				
Timber	..	..	201	201
Total ..	..	..	201	201
Total, (*a*) ..	..	..	201	201
(*e*) Miscellaneous—				
Rents of buildings	..	1	..	1
Other sources	242	..	546	788
Total, (*e*) ..	242	1	546	789
Grand total ..	242	1	747	990

Summary of revenue of the different districts, 1927–28—*cont.*

Budget heads.	Direction.	Chittoor.	Vellore.	North Salem.	Central Salem.	South Salem.	Total.
Fourth Circle.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
VIII. Forest receipts—							
(*a*) Timber and other produce removed from forests by Government Agency—							
(1) Sandalwood	* 2,200	1,561	1,39,274	4,92,953	26,169	34,987	6,97,144
(2) Other produce—							
(i) Timber	..	3,634	170	358	138	534	4,834
(ii) Firewood and charcoal ..	..	147	720	..	243	10	1,120
(iii) Other minor produce	..	..	336	19	..	11	366
Total, (2) ..	..	3,781	1,226	377	381	555	6,320
Total, (*a*) ..	2,200	5,342	1,40,500	4,93,330	26,550	35,542	7,03,464
(*b*) Timber and other produce removed from forests by consumers or purchasers -							
(1) Forest Department—							
(i) Timber	..	392	1,836	117	2,318	..	4,663
(ii) Firewood and charcoal ..	..	9,920	24,634	1,365	20,321	8,715	64,955
(iii) Bamboos ..	..	21,615	66,372	3,376	15,303	5,065	1,11,731
(iv) Grazing and fodder grass ..	..	21,891	49,727	31,864	68,832	20,636	1,92,950
(v) Other minor produce ..	..	8,657	23,509	4,591	7,329	15,428	59,514
Total, Forest Department ..	..	62,475	1,66,078	41,313	1,14,103	49,844	4,33,813
(2) Revenue Department—							
(i) Timber	..	7,464	26,485	6,196	12,894	15,793	68,832
(ii) Firewood and charcoal ..	..	2,578	15,135	1,498	4,550	8,342	32,103
(iii) Bamboos ..	..	..	3	281	53	5	342
(iv) Other minor produce	..	11,130	33,973	9,530	18,419	15,339	88,391
Total, Revenue Department ..	..	21,172	75,596	17,505	35,916	39,479	1,89,668
Total, (*b*) ..	..	83,647	2,41,674	58,818	1,50,019	89,323	6,23,481
(*c*) Drift and waifwood and confiscated forest produce ..	..	119	188	138	294	193	932
(*e*) Miscellaneous—							
(1) Fines and forfeitures..	..	314	949	219	1,456	282	3,220
(2) Rents of buildings ..	..	991	1,643	909	1,404	366	5,313
(3) Other sources	17	6,978	27,016	6,552	22,792	14,612	77,967
Total, (*e*) ..	17	8,283	29,608	7,680	25,652	15,260	86,500
Total ..	2,217	97,391	4,11,970	5,59,966	2,02,515	1,40,318	14,14,377

Summary of revenue of the different districts, 1927-28—*cont.*

Budget heads.	Direction.	Chittoor.	Vellore.	North Salem.	Central Salem.	South Salem.	Total.
Fourth Circle—cont.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
VIII. Forest receipts—*cont.*							
(*h*) *Deduct*—Refunds—Voted—Refunds by forest officers	..	476	19,009	160	1,794	2,011	23,450
Grand total ..	2,217	96,915	3,92,961	5,59,806	2,00,721	1,38,307	13,90,927

* Sandalwood revenue relating to other circles—

	RS.	A.	P.
Tinnevelly ..	1,650	0	0
Anantapur ..	44	0	0
Cuddapah, South.	506	0	0
Total ..	2,200	0	0

Summary of revenue of the different districts, 1927–28—*cont.*

Budget heads.	Direction.	Kollegal.	Coimbatore, North.	Coimbatore, South.	Madura.	Tinnevelly.	Tanjore.	Total.
Fifth Circle.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
VIII. Forest receipts—*cont.*								
(*a*) Timber and other produce removed by Government Agency—								
(i) Sandalwood	(*a*) 24,571	..	(*b*) 2,72,876	15	..	(*c*) ..	..	2,97,462
Other produce—								
(i) Timber	..	10	2,041	3,978	6,946	459	..	13,434
(ii) Firewood and charcoal	..	..	229	2,322	202	1,568	8	4,329
(iii) Other minor produce	..	13	..	1,291	..	5	..	1,309
(*b*) Timber and other produce removed by purchasers and consumers—								
Forest Department—								
(i) Timber	..	2,048	273	2,412	664	..	..	5,397
(ii) Firewood and charcoal	..	2,368	16,638	11,667	78,512	59,137	2,073	1,70,395
(iii) Bamboos	..	4,746	27,979	4,707	2,733	790	..	40,955
(iv) Grazing and fodder grass	..	46,588	45,140	5,619	27,699	9,284	324	1,34,654
(v) Other minor produce	..	4,329	(*d*) 15,310	5,812	24,749	18,689	2,668	71,557
Revenue Department—								
(i) Timber	..	2,881	4,532	1,274	16,639	80	887	26,283
(ii) Firewood and charcoal	..	217	2,007	1,400	12,778	49,275	2,422	68,099
(iii) Bamboos	..	..	1,519	..	19	..	5	1,543
(iv) Other minor produce	..	1,481	2,980	2,347	22,184	16,245	3,411	48,648
(*c*) Drift and waifwood and confiscated forest produce ..	..	64	298	129	746	470	..	1,707
(*e*) Miscellaneous—								
(1) Fines and forfeitures	..	78	497	512	1,407	758	10	3,262
(3) Rents of buildings	39	1,017	1,188	5,949	2,168	1,640	9	12,010
(4) Other sources	117	7,008	11,166	33,063	23,457	11,016	3,731	89,558
(*f*) Recoveries of investments in government commercial undertakings.	..	..	..	17,034	..	..	..	17,034
Total ..	24,727	72,848	4,04,673	99,531	2,20,903	1,69,416	15,538	10,07,636
(*h*) *Deduct*—Refunds ..	..	48	191	144	986	34	8	1,411
Net Total ..	24,727	72,800	4,04,482	99,387	2,19,917	1,69,382	15,530	10,06,225

(*a*) Relates to Kollegal division.
(*b*) Includes Rs. 29,406 relating to Kollegal and Rs. 4,821 relating to Nilgiris in the Sixth Circle.
(*c*) Excludes Rs. 1,650 realized in the Fourth Circle.
(*d*) Includes Rs. 625 relating to Nilgiris.
Net revenue for the Fifth Circle—Rs. 10,02,429.

Summary of revenue of the different districts, 1927-28—*cont.*

Budget heads.	Direction.	Mangalore, North.	Mangalore, South.	Wynaad.	The Nilgiris.	Palghat.	Nilambur.	Total.
		RS.	RS.	RS.	RS.	RS.	RS.	RS.
Sixth Circle.								
VIII. Forest receipts—*cont.*								
(*a*) Timber and other produce removed from forests by Government agency.								
Sandalwood	..	5,988	3,044	..	(*a*) 9,233	..	..	18,265
Other produce—								
Timber	..	41,147	* 41,873	* 1,66,859	17,006	1,280	..	2,68,165
Firewood and charcoal	..	543	..	..	55,576	89	..	56,208
Bamboos	..	..	..	13	..	..	..	13
Other minor produce	..	..	..	1,024	1,232	..	19	2,275
Total ..	..	41,690	41,873	1,67,896	73,814	1,369	19	3,26,661
Total (*a*) ..	..	47,678	44,917	1,67,896	83,047	1,369	19	3,44,926
(*b*) Timber and other produce removed from the forests by consumers or purchasers.								
Forest Department—								
Timber	..	85	1,112	1,046	577	..	..	2,820
Firewood and charcoal	..	20,610	1,984	..	3,116	46,734	..	72,444
Bamboos	..	..	515	1,422	2,191	14,241	132	18,501
Grazing and fodder grass	..	5,427	9,053	4,609	6,464	5,622	..	31,175
Other minor produce	..	10,234	3,498	5,026	(*d*) 2,453	5,454	3,425	30,090
Total, Forest Department ..	..	36,356	16,162	12,103	14,801	72,051	3,557	1,55,030
Revenue Department—								
Timber	..	11,352	4,480	2,306	431	2,132	..	20,701
Firewood and charcoal	..	6,275	1,465	912	2,673	1,810	..	13,135
Bamboos	..	52	..	..	3	..	..	55
Other minor produce	..	1,210	3,414	285	85	3,133	26	8,153
Total, Revenue Department ..	..	18,889	9,359	3,503	3,192	7,075	26	42,044
Total (*b*) ..	..	55,245	25,521	15,606	17,993	79,126	3,583	1,97,074

Summary of revenue of the different districts, 1927–28—*cont.*

Budget heads.	Direction.	Mangalore, North.	Mangalore, South.	Wynaad.	The Nilgiris.	Palghat.	Nilambur.	Total.
	RS	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Sixth Circle—cont.								
VIII. Forest receipts—*cont.*								
(c) Drift and waifwood and confiscated forest produce ..	..	510	488	1	5	26	..	1,030
(d) Profits from Government commercial undertakings ..	..	..	..	..	..	..	1,32,838	1,32,838
Total (d) ..	..	..	..	..	..	..	1,32,838	1,32,838
(e) Miscellaneous—								
Fines and forfeitures	..	6	110	67	330	145	13	671
Rents of buildings	..	1,118	530	2,447	1,156	486	(e) —21	5,716
Other sources	(b) 531	6,251	9,905	24,057	9,390	5,395	1,531	57,060
Total (e) ..	531	7,375	10,545	26,571	10,876	6,026	1,523	63,447
(f) Recoveries of investments in Government commercial undertakings.	..	..	..	..	..	..	16	16
Total (f) ..	..	..	..	..	..	..	16	16
(g) Recoveries of indirect charges from Government commercial undertakings.	..	..	..	..	..	..	21,827	21,827
Total (g) ..	..	..	..	..	..	..	21,827	21,827
Total ..	531	1,10,808	81,471	2,10,074	1,11,921	86,547	1,59,806	7,61,158
(h) *Deduct*—Refunds—Voted—								
Refunds by forest officers	..	1,569	763	169	444	10	17	2,972
Grand Total ..	531	1,09,239	80,708	2,09,905	1,11,477	86,537	1,59,789	7,58,186

(a) Excludes Rs. 4,821-7-0 relating to Nilgiris credited in Fifth Circle
(b) Includes Rs. 529 relating to Wynaad division.
(c) Includes revenue relating to the Nilgiris as under :—

	RS.
VIII (a) Timber sold in Nanjangud depot	164
VIII (e) Miscellaneous—other sources—elephants sold.	3,200

(d) Excludes Rs. 625 relating to the Nilgiris minor forest produce of Coonoor range, adjusted in the Fifth Circle.
(e) Rupees 10-3-0 relates to Vellore division and Rs. 10-13-0 relates to South Coimbatore division.
* Excludes amounts credited in the Forest Utilization Officer's division.

Summary of revenue and expenditure of the different divisions of the Forest Engineering branch for the year 1927–28.

Budget heads.	Forest Engineer, Madras.	Logging Engineer.	Forest Utilization Officer.	Forest Engineer, i.e., Sawmills and Extraction.	Chief Forest Engineer.	Forest Economist.	Total.
	RS.	RS.	RS.	RS.	RS.		RS.
VIII. Forest receipts—*cont.*							
(*a*) Timber and other produce removed from the forests by Government agency—							
Other produce –							
Timber	..	90	1,28,112	2,604	..	..	1,30,806
Other minor produce ..	..	..	15	..	..	..	15
(*b*) Timber and other produce removed from the forests by consumers or purchasers—							
Forest Department—							
Other minor produce ..	..	..	544	..	..	..	544
(*e*) Miscellaneous—							
Rents of buildings ..	91	57	4	..	..	..	152
Other sources	4,752	205	50	5,076	30	..	10,113
Total ..	4,843	352	1,28,725	7,680	30	..	1,41,630
(*h*) Deduct—Refunds — Voted.	..	26	40	..	..	..	66
Net Total ..	4,843	326	1,28,685	7,680	30	..	1,41,564

Summary of expenditure of the different districts for the year 1927–28.

Budget heads.	Direction.	Ganjām.	Vizagapatam.	Gōdāvari, Upper.	Gōdāvari, Lower.	Guntūr.	Nellore.	Total.
FIRST CIRCLE.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8. *b. Conservancy and Works.*								
Forest produce removed by Government agency—Voted—								
Timber	7	86,955	612	11,258	798	..	81	99,711
Other produce—								
Firewood and charcoal	..	993	162	303	306	2,823	..	4,587
Bamboos	..	..	..	23	..	..	..	23
Grass and other minor produce ..	..	..	..	..	33	..	5,295	5,328
Total ..	7	87,948	774	11,584	1,137	2,823	5,376	1,09,649
II. Forest produce removed by private agency—Voted.	..	5,016	2,843	2,960	12,010	9,815	1,051	33,695
III. Drift and waifwood and confiscated forest produce.	..	3	..	65	4	..	..	72
IV. Rent of leased and part-owned forests—Voted—	..	..	525	..	..	..	..	525
V. Livestock, stores and tools and plant—Voted.								
Feed and keep of livestock ..	..	2,216	..	..	..	..	23	2,239
Purchase of stores and tools and plant.	..	218	73	1,392	5,695	609	1,492	9,479
Total ..	..	2,434	73	1,392	5,695	609	1,515	11,718
VI. Works—Voted—								
Roads and bridges	..	2,688	341	607	884	2,410	567	7,497
Buildings	..	6,947	1,080	2,035	2,154	1,236	6,242	19,694
Other works	..	135	8	86	..	55	86	370
Total ..	..	9,770	1,429	2,728	3,038	3,701	6,895	27,561
VII. Organization, improvements and extension of forests—Voted—								
Demarcation	..	5	67	..	147	..	18	237
Surveys—Local	..	..	..	2	6	..	..	8
Sowing and planting	242	..	145	1,339	1,658	231	79	3,694
Protection from fire	..	6,702	253	3,295	2,389	120	590	13,349
Other works	..	2,948	4	69	642	441	1,222	5,326
Total ..	242	9,655	469	4,705	4,842	792	1,909	22,614
VIII. Miscellaneous—								
Honoraria—Voted	..	120	30	..	..	..	..	150
Non-contract Contingencies—Non-voted—								
Rates and taxes	..	..	..	..	56	..	..	56
Non-contract Contingencies—Voted—Miscellaneous—(Law charges).	..	..	..	2	..	..	7	9
Miscellaneous	..	..	..	11	..	..	..	11
Total ..	..	120	30	13	56	..	7	226
IX. Suspense—Works Advances—Voted.	..	..	30	72	..	..	..	102
Total ..	249	1,14,946	6;173	23,519	26,782	17,740	16,753	2,06,162
Non-voted ..	..	..	..	..	56	..	..	56
Total ..	249	1,14,946	6,173	23,519	26,726	17,740	16,753	2,06,106

Summary of expenditure of the different districts for the year 1927–28 —*cont.*

Budget heads.	Direction.	Ganjam.	Vizagapatam.	Gōdavari, Upper.	Gōdavari, Lower.	Guntūr.	Nellore.	Total.
FIRST CIRCLE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8. *c. Establishments.*								
Pay of Officers—Non-voted—								
(1) Pay excluding passage pay ..	21,492	22,165	..	--3,714	9,941	525	8,381	58,790
(2) Passage pay	91	779	..	..	..	..	..	870
Total ..	21,583	22,944	..	--3,714	9,941	525	8,381	59,660
Pay of Officers—Voted	..	10,543	8,365	11,459	7,690	9,157	2,500	49,714
Pay of Establishments—Voted—								
(1) Permanent	10,418	71,411	23,026	42,195	42,239	38,324	46,526	2,74,139
(2) Temporary	713	5,396	836	3,403	1,141	404	297	12,190
Total ..	11,131	87,350	32,22	57,057	51,070	47,885	49,323	3,36,043
Allowances—Non-voted—								
Travelling allowance	5,035	6,708	..	—981	2,241	470	944	14,417
Allowances—Voted—								
(1) Travelling allowance ..	1,250	14,894	5,503	8.282	9,819	5,831	7,738	53,317
(2) Fixed Travelling allowance.	..	3,685	1,061	2,047	2,295	1,737	1,827	12,652
(3) Other Compensatory ..	..	1,553	405	572	795	496	536	4,357
Total ..	1,250	20,132	6,969	10,901	12,909	8,064	10,101	70,326
Contract Contingencies—Voted ..	2,223	4,212	1,576	2,032	3,134	2,084	2,087	17,348
Non-contract Contingencies — Non-voted—								
Rates and Taxes	1,216	211	59	..	246	114	22	1,868
Non-contract Contingencies—Voted—								
(2) Rents	852	564	1,311	186	4,162	1,424	1,387	9,886
(4) Telephone charges	2	..	..	..	..	..	..	2
(6) Miscellaneous	189	93	1	—60	19	..	2	244
Total ..	1,043	657	1,312	126	4,181	1,424	1,389	10,132
Supplies and Services—General—								
(1) Clothing and Equipment ..	..	..	..	..	..	..	2	2
(2) Apparatus and materials ..	36	495	52	196	173	53	78	1,083
Total ..	36	495	52	196	173	53	80	1,085
Non-voted ..	27,834	29,863	59	--4,695	12,428	1,109	9,347	75,945
Voted ..	15,683	1,12,846	42,136	70,312	71,467	59,510	62,980	4,34,934
Total ..	43,517	1,42,709	42,195	65,617	83,895	60,619	72,327	5,10,879
52 A—b. *Conservancy and Works.*								
V. Livestock, stores and tools and plant—Voted—								
Purchase of stores and tools and plant.	..	443	—12	280	56	50	4,012	4,829
VI. Works—Voted.								
Roads and bridges—								
Works in progress	..	—67	486	413	790	..	13	1,635
New works	..	154	1,248	325	84	—925	72	958

Summary of expenditure of the different districts for the year 1927–28—*cont.*

Budget heads.	Direction.	Ganjam.	Vizaga-patam.	Gōdavari, Upper.	Gōdavari, Lower.	Guntūr.	Nellore.	Total.
FIRST CIRCLE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
52 A—*b. Conservancy and Works*—cont.								
VI. Works—Voted—*cont.*								
Buildings—								
Works in progress	..	1,146	..	5,071	1,719	2,945	288	11,169
New works	..	454	413	1,912	1,999	..	308	5,086
Other works—								
Works in progress	..	..	78	..	..	..	..	78
New works	..	..	—78	..	..	..	..	—78
Total ..	..	1,687	2,147	7,721	4,592	2,020	681	18,848
VII. Organization, improvement and extension of forests—Voted—								
(1) Demarcation	..	519	..	487	839	..	..	1,897
(3) Surveys—Local	1,000	..	..	..	..	..	..	1,000
(8) Other works	..	..	..	..	..	446	..	446
Total ..	1,000	519	..	487	83	446	52	3,343
Total—Voted ..	1,000	2,649	2,135	8,488	5,487	2,516	4,746	27,020

Summary of expenditure of the different districts for the year 1927–28—*cont.*

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Ananta-pur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total.
SECOND CIRCLE.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8. *b. Conservancy and Works.*								
I. Forest produce removed by Government agency—Voted—								
Timber	..	..	2,343	9,232	3,449	146	542	15,712
Other produce—								
1. Firewood and charcoal	..	..	99	..	5,294	75	64	5,532
2. Bamboos	..	..	1,385	..	2	..	7	1,394
3. Sandalwood	..	48	..	4	..	..	33	85
4. Grass and other minor produce	..	4	505	49	..	604	8	1,170
Total ..	..	52	4,332	9,285	8,745	825	654	23,893
II. Forest produce removed by private agency—Voted.	..	4,268	3,017	2,992	7,093	3,479	4,303	25,152
III. Drift and waifwood and confiscated forest produce.	..	9	5	3	98	5	16	136
V. Live-stock, stores and tools and plant—Voted—								
Feed and keep of live-stock	..	8	..	121	2,015	..	..	2,144
Purchase of stores and tools and plant ..	2	113	118	188	348	139	64	972
Total ..	2	121	118	309	2,363	139	64	3,116
VI. Works—Voted—								
Chenchu Officer—Works	..	..	233	5	229	..	..	467
Roads and bridges	..	901	3,617	4,956	3,011	3,254	3,055	18,794
Buildings	..	3,370	2,491	1,385	1,516	3,241	3,434	15,437
Other works	..	289	203	62	317	379	34	1,284
Total ..	..	4,560	6,544	6,408	5,073	6,874	6,523	35,982
VII. Organization, improvements and extension of forests—Voted—								
1. Demarcation	..	244	..	30	52	401	..	727
3. Surveys—Local	..	..	600	..	..	..	..	600

Summary of expenditure of the different districts for the year 1927-28—*cont.*

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Ananta-pur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total.
SECOND CIRCLE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8. *b. Conservancy and Works*—cont.								
VII. Organization, improvements and extension of forests—Voted—*cont.*								
6. Sowing and planting	..	500	57	516	335	200	333	1,941
7. Protection from fire	..	499	830	1,406	1,276	1,127	1,176	6,314
8. Other works	..	1,535	750	487	170	320	835	4,097
Total ..	..	2,778	2,237	2,439	1,833	2,048	2,344	13,679
VIII. Miscellaneous—								
Honoraria—Voted	..	50	85	..	384	50	..	569
Non-contract Contingencies—Voted—Miscellaneous—Law charges.	..	..	1	176	..	8	4	189
Supplies and Services—General—Miscellaneous.	..	10	184	..	163	50	10	417
Total ..	..	60	270	176	547	108	14	1,175
IX. Suspense—Works Advances—Voted	..	..	..	..	— 96	..	..	— 96
Grand Total ..	2	11,848	16,523	21,612	25,656	13,478	13,918	1,03,037
8. *c. Establishments.*								
Pay of Officers—Non-voted—								
1. Pay excluding passage pay	25,717	10,771	6,500	4,138	9,979	..	8,766	65,871
Pay of Officers—Voted	..	2,400	1,639	8,767	..	9,689	1,125	23,620
Pay of Establishments—Voted—								
1. Permanent	11,143	46,189	38,925	53,035	52,211	50,865	52,362	3,04 730
2. Temporary	..	570	1,359	936	1,524	1,474	1,173	7,036
Total ..	11,143	46,759	40,284	53,971	53,735	52,339	53,535	3,11,766

Summary of expenditure of the different districts for the year 1927–28—*cont.*

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Ananta-pur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total.
SECOND CIRCLE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8. *c. Establishments*—cont.								
Allowances—Non-voted—								
Travelling allowance	2,861	1,643	2,023	869	2,488	..	1,601	11,485
Allowances—Voted—								
1. Travelling allowance	813	5,299	5,052	8,515	5,586	9,641	4,986	39,892
2. Fixed travelling allowance	..	1,903	2,196	3,075	2,977	2,327	2,663	15,141
3. Other compensatory	..	820	884	918	1,010	542	720	4,894
Total ..	813	8,022	8,132	12,508	9,573	12,510	8,369	59,927
Contract Contingencies—Voted	2,130	2,669	2,535	2,728	2,233	2,350	2,150	16,805
Non-contract Contingencies—Non-voted—								
Rates and taxes	..	185	12	55	162	47	37	498
Non-contract Contingencies—Voted—								
2. Rents	3,586	1,510	415	717	1,007	797	1,671	9,703
5. Books and periodicals	3	4	5	5	7	..	..	24
6. Miscellaneous	3	..	..	20	17	..	..	40
Total ..	3,592	1,514	420	742	1,031	797	1,671	9,767
Supplies and Services—General—								
2. Apparatus and materials	..	60	161	348	158	200	154	1,081
Grand Total ..	46,256	74,023	61,706	84,126	79,369	77,932	77,408	5,00,820
Non-voted ..	28,578	12,599	8,535	5,062	12,629	47	10,404	77,854
Voted ..	17,678	61,424	53,171	79,064	66,740	77,885	67,004	4,22,966
52-*A. b. Conservancy and Works.*								
V. Live-stock, stores and tools and plant—Voted—								
Purchase of stores and tools and plant	..	..	..	..	..	87	72	159

Summary of expenditure of the different districts for the year 1927–28—*cont.*

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Ananta-pur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total.
SECOND CIRCLE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
52-*A. b. Conservancy and Works*—cont.								
VI. Works—Voted—								
Roads and bridges—								
New works	..	..	..	632	200	324	50	1,206
Buildings—								
Works in progress	..	..	..	..	675	..	1,221	1,896
New works	..	..	576	235	591	3,042	3,196	7,640
Other works—								
New works	855	..	407	135	45	629	..	2,071
Total ..	855	..	983	1,002	1,511	3,995	4,467	12,813
VII Organization, improvement and extension of forests—Voted—								
8. Other works	..	150	..	..	349	..	..	499
Grand Total ..	855	150	983	1,002	1,860	4,082	4,539	13,471
8-*c. I. District Establishment.*								
c. V. Chenchu Office.								
Pay of Establishments—Voted—								
2. Temporary	..	..	4,034	657	11,440	..	..	16,131
Allowances—Voted—								
1. Travelling allowance	..	..	..	..	2,074	..	..	2,074
2. Fixed travelling allowance	..	..	..	..	300	..	..	300
3. Other compensatory	..	..	..	..	180	..	..	180
Total ..	..	..	..	..	2,554	..	..	2,554

Summary of expenditure of the different districts for the year 1927–28—*cont.*

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Ananta-pur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total.
SECOND CIRCLE—*cont.*			RS.	RS.	RS.			RS.
8-c. *I. District Establishment*—cont.								
c. V. Chenchu Office—*cont.*								
Honoraria—Voted	..	..	15	..	..	..	..	15
Non-contract Contingencies—Voted—								
2. Rents	..	..	..	..	57	..	..	57
6. Miscellaneous	..	..	— 86	..	859	..	..	773
Total ..	..	..	— 86	..	916	..	..	830
Supplies and Services—General—								
1. Clothing and equipment	..	..	..	..	598	..	..	598
2. Apparatus and materials	..	..	..	..	326	..	..	326
3. Scholarships and stipends	..	..	..	..	480	..	..	480
4. Books and periodicals	..	..	..	..	205	..	..	205
5. Miscellaneous	..	..	2,779	153	3,778	..	..	6,710
Total ..	..	..	2,779	153	5,387	..	..	8,319
Grand Total ..	..	..	6,742	810	20,297	..	..	27,849

Summary of expenditure of the different districts for the year 1927-28—*cont.*

Budget heads.	Direction.	Forest Research Office.	Total.
	RS.	RS.	RS.
III (WORKING PLANS) CIRCLE.			
8-*c*. ii *Regeneration.*			
Pay of officers—Non-voted—			
(1) Pay excluding passage pay ..	..	11,555	11,555
(2) Passage, cost of etc.	..	1,763	1,763
Total ..	..	13,318	13,318
Pay of establishment—Voted—			
(1) Permanent	..	5,725	5,725
Allowances—Non-voted—			
(1) Travelling allowance	..	2,681	2,681
Allowances—Voted—			
(1) Travelling allowance	..	1,975	1,975
(3) Other compensatory	..	691	691
Total ..	..	5,347	5,347
Contract contingencies—Voted ..	..	486	486
Non-contract contingencies—Voted—			
(1) Miscellaneus	..	62	62
Total ..	..	548	548
Custom duty—Voted—			
Charges payable to Governments, departments and others.	..	3,756	3,756
Supplies and Services—General—			
(1) Miscellaneous	..	3,702	3,702
Total ..	..	32,396	32,396
Non-voted ..	..	19,755	19,755
Voted ..	..	12,641	12,641

Summary of expenditure of the different districts for the year 1927–28—*cont.*

Budget heads.	Direction.	Working Plans Office.					Total.
		Wynaad.	Nilambur.	Ganjam.	Mangalore.	Mount stuart.	
III (WORKING PLANS) CIRCLE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.
52-*A. b. Conservancy and Works.*							
V. Livestock, stores and tools and plant—Voted—							
Purchase of stores and tools and plant.	..	..	..	18	..	..	18
VII. Organization, improvement and extension of forests—Voted—							
5. Working plans	12	478	308	19	16	116	949
52.–*A. c. Establishments.*							
Pay of officers—Non-voted—							
Pay excluding passage pay ..	25,230	7,117	7,707	3,618	2,649	3,697	50,018
Pay of establishments—Voted—							
Pay of officers—Voted	7,689	..	..	..	..	..	7,689
Permanent	5,376	5,677	3,217	296	220	1,489	16,275
Temporary	9	272	..	..	..	52	333
Total ..	13,074	5,949	3,217	296	220	1,541	16,608
Allowances—Non-voted—							
Travelling allowance	4,461	2,655	2,987	962	993	724	12,782
Allowances—Voted—							
Travelling allowance	3,986	2,241	1,409	265	247	600	8,748
Fixed travelling allowance ..	..	85	..	..	..	..	85
Other compensatory allowance ..	1,057	245	247	..	1	17	1,567
Total ..	5,043	2,486 +85	1,656	265	248	617	10,400
Contract contingencies—Voted ..	1,372	187	313	324	148	96	2,440
Non-contract contingencies—Voted							
2. Rents	837	..	..	..	..	..	837
5. Books and periodicals ..	32	..	..	..	..	2	34
6. Miscellaneous	71	..	..	..	..	..	71
Total ..	940	..	..	..	..	2	942
Supplies and Services—General—							
Apparatus and materials ..	..	..	..	41	..	..	41
Miscellaneous	771	19	..	..	..	..	790
Total ..	771	19	..	41	..	..	831
Grand Total ..	50,891	18,498	15,880	5,506	4,258	6,677	1,01,710
Non-voted ..	29,691	9,772	10,694	4,580	3,642	4,421	62,800
Voted ..	21,200	8,726	5,186	926	616	2,256	38,910

Summary of expenditure of the different districts for the year 1927–28—*cont.*

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Chittoor.	Vellore.	Salem, North.	Salem, Central.	Salem, South.	Total.
FOURTH CIRCLE.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8. *b. Conservancy and Works.*							
I. Forest produce removed by Government agency—Voted—							
Timber	..	688	253	170	57	490	1,658
Other produce—							
1. Firewood and charcoal ..	..	9	..	..	139	..	148
3. Sandalwood	..	396	9,736	20,358	2,868	2,547	35,905
4. Grass and other minor produce.	..	..	67	19	..	..	86
Total ..	..	1,093	10,056	20,547	3,064	3,037	37,797
II. Forest produce removed by private agency—Voted.	..	6,883	8,169	4,871	8,568	3,273	31,764
III. Drift and waif wood and confiscated forest produce.	..	24	1	4	19	15	63
V. Livestock, stores and tools and plant—Voted—							
Feed and keep of livestock.	..	29	..	..	..	..	29
Purchase of stores and tools and plant.	19	128	57	211	232	29	676
Total ..	19	157	57	211	232	29	705
VI. Works—Voted—							
Roads and bridges	..	1,967	3,044	2,719	1,087	1,237	10,054
Buildings	..	2,760	4,284	2,184	2,712	1,475	13,415
Other works	..	14	309	176	75	87	661
Total ..	..	4,741	7,637	5,079	3,874	2,799	24,130
VII. Organization, improvements and extension of forests—Voted—							
1. Demarcation	..	45	162	80	648	17	952
6. Sowing and planting ..	..	661	1,919	289	759	430	4,058
7. Protection from fire ..	..	904	1,587	530	1,319	759	5,099
8. Other works	..	194	207	210	72	..	683
Total ..	..	1,804	3,875	1,109	2,798	1,206	10,792
VIII. Miscellaneous—							
Honoraria—Voted ..	..	..	50	20	5	50	125
Non-contract Contingencies—Non-voted—							
Rates and taxes	..	..	89	17	..	..	106
Non-contract Contingencies—Voted — Miscellaneous —							
Law charges	..	10	9	1	7	38	65
Supplies and Services—General—Miscellaneous.	..	..	..	550	..	..	550
Total ..	..	10	148	588	12	88	846
IX. Suspense—Works advances—Voted.	..	..	150	69	..	..	219
Total ..	19	14,712	30,093	32,478	18,567	10,447	1,06,316
Non-voted ..	..	..	89	17	..	..	106
Voted ..	19	14,712	30,004	32,461	18,567	10,447	1,06,210

Summary of expenditure of the different districts for the year 1927–28—*cont.*

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Chittoor.	Vellore.	Salem, North.	Salem, Central.	Salem, South.	Total.
FOURTH CIRCLE—*cont.* 8. *c. Establishments.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Pay of officers—Non-voted— Pay excluding passage pay ..	25,234	..	8,554	3,372	1,275	..	38,435
Pay of officers—Voted	..	11,213	8,951	5,699	6,898	7,340	40,101
Pay of Establishments—Voted—							
1. Permanent	11,363	43,002	74,780	41,643	51,843	41,027	2,63,658
2. Temporary	6	1,154	2,171	3,240	1,759	1,769	10,099
Total ..	11,369	55,369	85,902	50,582	60,500	50,136	3,13,858
Allowances—Non-voted—							
Travelling allowance	2,992	..	1,739	792	348	..	5,871
Cost of passages	409	..	..	..	..	..	409
Allowances—Voted—							
1. Travelling allowance	986	5,953	6,971	5,973	7,611	6,499	33,993
2. Fixed travelling allowance ..	..	2,148	5,236	2,819	2,560	2,223	14,986
3. Other compensatory	..	687	1,265	887	758	595	4,192
Total ..	986	8,788	13,472	9,679	10,929	9,317	53,171
Contract Contingencies—Voted ..	1,493	2,217	3,155	2,469	2,920	2,072	14,326
Non-contract Contingencies—Non-voted— Rates and taxes	..	71	104	23	190	— 47	341
Non-contract Contingencies—Voted—							
2. Rents	453	948	2,968	135	465	960	5,929
5. Books and Periodicals ..	2	..	..	..	..	..	2
6. Miscellaneous	15	275	15	11	..	37	353
Total ..	1,963	3,511	6,242	2,638	3,575	3,022	20,951
Supplies and Services—General— 2. Apparatus and Materials ..	5	162	499	106	152	307	1,231
Total ..	42,958	67,830	1,16,408	67,169	76,779	62,782	4,33,926
Non-voted ..	28,635	71	10,397	4,187	1,813	— 47	45,056
Voted ..	14,323	67,759	1,06,011	62,982	74,966	62,829	3,88,870
8. c. ii. Research—Charges payable to Government departments and others.	..	..	..	1,558	..	..	1,558
52-A. *b. Conservancy and works.*							
V. Live stock, stores and tools and plant—Voted— Purchase of stores and tools and plant.	..	37	242	..	..	..	279
VI. Works—Voted—							
Roads and bridges—							
Works in progress	..	..	1,395	592	..	..	1,987
New works	..	1,373	..	1,721	..	417	3,511
Buildings—							
Works in progress	..	403	3,513	..	..	..	3,916
New works	..	12,414	1,039	3,366	2,151	1,493	20,463
Other works—							
Works in progress	..	17	12	..	..	40	69
New works	..	171	191	329	..	47	738
Total ..	..	14,378	6,150	6,008	2,151	1,997	30,684
52-A. *b.* Grand Total ..	..	14,415	6,392	6,008	2,151	1,997	30,963

Summary of expenditure of the different districts for the year 1927–28—*cont.*

Account head (major, minor and sub-heads and units of appropriation).	Direction. (RS.)	Kollegal. (RS.)	Coimbatore, North. (RS)	Coimbatore, South. (RS.)	Madura. (RS.)	Tinnevelly. (RS.)	Tanjore. (RS)	Total. (RS.)
FIFTH CIRCLE.								
8. *b. Conservancy and Works.*								
I. Forest produce removed by Government agency—								
Timber	..	..	280	*10,831	2,649	264	..	14,024
Firewood and charcoal	..	..	305	1,438	..	2,437	..	4,180
Sandalwood	726	2,475	12,528	..	..	144	..	15,873
Grass and other minor produce ..	..	6	51	107	..	..	..	164
II. Timber and other produce removed from forests by consumers and purchasers.	..	5,283	7,331	1,777	11,235	5,142	254	31,022
III. Maintenance, renewals and repairs—								
Feed and keep of cattle	..	..	..	11,471	..	..	..	11,471
Renewals and replacements of stores, tools, and plants.	7	82	178	500	107	318	..	1,192
Communications and buildings—								
Roads and bridges	..	2,594	6,822	1,051	11,892	5,016	..	27,375
Buildings	..	1,626	3,174	1,325	3,125	3,303	130	12,683
Other works	..	29	109	43	204	69	..	454
IV. Conservancy and regeneration—								
Maintenance of boundary ..	..	..	274	50	1	..	..	325
Regeneration	..	..	56	579	225	107	..	967
Fire protection	..	746	1,302	217	2,754	574	..	5,593
Other works	..	267	501	582	3	370	16	1,739
V. Miscellaneous—								
Rates and taxes—Non-voted ..	..	..	..	..	238	..	..	238
Law charges	..	15	..	39	..	..	..	54
Drift and waifwood and confiscated forest produce.	..	2	3	1	67	726	..	799
Honoraria—Voted	..	115	..	..	30	22	..	167
Supplies and services—Voted—Miscellaneous.	..	..	818	166	20	..	..	1,004
Suspense works advance	..	..	..	363	..	..	..	363
Total ..	733	13,240	33,732	30,540	32,550	18,492	400	1,29,687
52-*a. Capital Outlay on Forests.*								
b. Conservancy and works.								
III. Rent of leased and part-owned forests.	..	..	..	3,750	..	..	..	3,750
IV. Live stock stores, tools and plant—								
Purchase of livestock	..	..	..	7,522	..	..	..	7,522
Feed and keep of livestock ..	..	..	..	24	..	..	..	24
Purchase of stores, tools and plant.	..	148	163	396	351	191	..	1,249
V. Works—								
Roads and bridges—								
Works in progress	..	100	..	1,282	202	..	..	1,585
New works	..	284	403	..	1,340	1,465	..	3,492
Buildings—								
New works	..	849	659	2,814	179	1,331	..	5,832
Other works—Works in progress ..	..	265	..	..	..	..	..	265
New works ..	..	12	..	..	..	..	..	12
VI. Organization, improvement and extension of forests—								
Demarcation	..	830	345	..	100	..	..	1,275
Sowing and planting	..	..	..	8,858	25	6	..	8,889
Protection from fire	..	..	..	134	..	..	..	134
Other works	..	.	..	..	245	..	..	245
Total ..	..	2,488	1,570	24,781	2,442	2,993	..	34,274

* Includes Rs. 774 representing the running expenses of Pollachi Saw mill adjusted in South Coimbatore accounts by the Accountant-General in January 1928.

Summary of expenditure of the different districts for the year 1927–28—*cont.*

Account head (major, minor, sub-heads and units of appropriation).	Direction.	Kollegal.	Coimbatore, North.	Coimbatore, South.	Madura.	Tinnevelly.	Tanjore.	Total.
FIFTH CIRCLE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8. *c. i. District Establishments.*								
Pay of officers—								
Non-voted	25,201	3,892	11,871	12,333	20,948	14,389	..	88,634
Voted	..	3,000	..	3,008	..	2,041	..	8,049
Pay of establishment—Voted—								
Permanent	9,460	37,496	43,979	25,260	52,848	40,950	906	2,10,899
Temporary	..	282	680	856	624	506	..	2,948
Allowances — Non-voted — Travelling allowances.	2,540	1,743	2,443	3,711	7,127	2,683	..	20,247
Cost of passages	4,755	..	..	..	..	..	..	4,755
Allowances—Voted—Travelling allowances.	1,479	4,807	5,359	4,321	8,974	3,922	..	28,862
Fixed travelling allowance	..	1,650	3,324	733	3,102	1,679	123	10,611
Other compensatory	..	524	927	164	1,289	627	..	3,531
Contract Contingencies	2,182	1,710	2,133	1,845	2,649	2,143	50	12,712
Non-contract Contingencies—Non-voted—								
Rates and taxes	..	38	96	57	252	88	..	531
Non-contract contingencies—Voted—Rents.	1,858	1,131	651	1,192	869	1,265	..	6,966
Books and periodicals	26	..	..	..	..	..	..	26
Miscellaneous	324	..	..	14	1	..	..	339
Supplies and services—Voted—								
Apparatus and materials	47	82	143	370	73	..	..	715
Total ..	47,872	56,355	71,606	53,864	98,756	70,293	1,079	3,99,825

52-A. *Forest Capital Outlay—C. ii. Regeneration*—1927-28.

Unit of appropriation.	Coimbatore South.
	RS.
Pay of establishment—	
Permanent	4,960
Allowances—Voted—	
Travelling allowance	934
Fixed travelling allowance	235
Other compensatory	33
Total ...	6,162

52-A. *d. Investments in Government Commercial undertakings—Voted*—1927-28.

	RS.
Mount Stuart Forests South Coimbatore division	3,192

Summary of expenditure of the different districts for the year 1927–28—*cont.*

Account heads (major, minor, sub-heads and units of appropriation).	Direction.	Mangalore, North.	Mangalore, South. (*a*)	Wynaad.	The Nilgiris.	Palghat.	Nilambur Valley forest.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.		RS.
SIXTH CIRCLE.								
8. *b. Conservancy and Works.*								
I. Forest produce removed by Government agency—Voted—Timber	..	22,414	32,600	(*b*)65,562	7,711	511	..	1,28,798
Other produce—(1) Firewood and charcoal.	..	377	4	..	16,952	62	..	17,395
(3) Sandalwood	..	461	283	..	1,219	..	..	1,963
(4) Grass and other minor produce.	..	..	..	18	495	..	..	513
Total ..	..	23,252	32,887	65,580	26,377	573	..	1,48,669
II. Forest produce removed by private agency—Voted.	..	2,427	941	2,317	59	4,452	..	10,196
III. Drift and waifwood and confiscated forest produce.	..	8	11	..	..	4	..	23
V. Livestock, stores, tools and plant—Voted—Purchase of livestock ..	..	..	19	72	32	73	..	196
Feed and keep of livestock.	360	4,839	9,232	35,228	15,142	..	..	64,801
Purchase of stores and tools and plant.	1	536	917	1,443	678	93	..	3,668
Total ..	361	5,375	10,168	36,743	15,852	166	..	68,665
VI. Works—Voted—Roads and bridges ..	..	906	681	5,272	2,096	7,670	..	16,625
Buildings	..	978	1,270	1,696	1,722	1,439	..	7,105
Other works	..	117	81	820	21	104	..	1,143
Total ..	..	2,001	2,032	7,788	3,839	9,213	..	24,873
VII. Organization, improvements and extension of forests—Voted—(1) Demarcation ..	..	289	210	77	642	130	..	1,348
(6) Sowing and planting.	..	4,074	4,499	11,073	3,960	4,356	..	27,962
(7) Protection from fire.	..	2,510	1,965	1,209	3,123	2,472	..	11,279
(8) Other works ..	..	492	513	53	1,148	736	..	2,942
Total ..	..	7,365	7,187	12,412	8,873	7,694	..	43,531
VIII. Miscellaneous—Honoraria—Voted . ..	..	40	10	..	..	..	..	50
Non-contract Contingencies—Non-voted—Rates and taxes	..	..	..	71	3,610	23	..	3,704

(*a*) Includes expenditure relating to Forest Economist—Engineering Branch—Rs. 121 b. I (*a*) and Rs. 3 b. VIII. Supplies and services—Miscellaneous.

(*b*) Includes Rs. 265 pertaining to the Engineering Branch.

Summary of expenditure of the different districts for the year 1927–28—*cont.*

Account heads (major, minor, sub-heads and units of appropriation).	Direction.	Mangalore, North.	Mangalore, South.	Wynaad.	The Nilgiris. †	Palghat.	Nilambur Valley forests. ‡	Total.
SIXTH CIRCLE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8. *b. Conservancy and Works* —cont.								
VIII. Miscellaneous—*cont.* Non-contract Contingencies—Voted—								
Miscellaneous—Law charges.	..	..	..	19	..	..	..	19
Grants-in-aid — Miscellaneous—Recurring—	..	..	..	..	5,172	..	..	5,172
Supplies and Services—General—Miscellaneous.	36	46	94	524	51	4	..	755
Total ..	36	86	104	614	8,833	27	..	9,700
IX. Suspense Works—Advances—Voted.	..	— 8	392	485	243	..	..	1,112
Total, 8. *b.*—Conservancy and Works.	397	40,506	53,722	1,25,939	64,076	22,129	..	3,06,769
Non-voted	..	..	..	71	3,610	23	..	3,704
Voted	397	405,06	53,722	1,25,868	60,466	22,106	..	3,03,065
Total ..	397	40,506	53,722	1,25,939	64,076	22,129	..	3,06,769
8. *c. Establishments.*								
Pay of Officers—Non-voted ..	20,984	4,426	5,725	12,509	21,150	5,512	1,875	72,181
Pay of Officers—Voted ..	4,563	7,701	8,397	7,207	..	6,950	665	35,483
Pay of establishments—Voted—								
1. Permanent	11,440	37,491	29,050	42,045	38.415	28,785	2,149	1,89,375
2. Temporary	..	2,745	2,437	1,348	850	2,038	52	9,470
Total ..	16,003	47,937	39,884	50,600	39,265	37,773	2,866	2,34,328
Allowances—Non-voted— Travelling allowance	*3,596	*639	*1,177	3,902	3,491	*924	..	13,729
Allowances—Voted—								
1. Travelling allowance ..	3,907	9,006	6,808	8,200	5,108	4,546	..	37,575
2. Fixed Travelling allowance.	..	1,320	1,416	2,403	1,933	1,474	..	8,546
3. Other compensatory ..	1,733	484	494	733	5,179	310	— 3	8,930
Total ..	9,236	11,449	9,895	15,238	15,711	7,254	— 3	68,780

Direction.—* excludes Rs. 375 drawn from divisions
North Mangalore Rs. 50
South Mangalore Rs. 200.
Palghat Rs. 125.

† Nilgiris figures include the following pertaining to I circle.
Pay of officers—Non-Voted—Rs. 6,049.
Travelling allowance—Non-Voted—Rs. 205.

‡ Nilambur figures include the following erroneously adjusted by the Accountant-General.
Pay of officers—Voted—Rs. 225 relating to the South Coimbatore.
Pay of establishment—Voted—Rs. 102 relating to Vellore division.
Other compasatory Rs. — 3 do.

Summary of expenditure of the different districts for the year 1927–28—*cont.*

Account heads (major, minor, sub-heads and units of appropriation).	Direction.	Mangalore, North.	Mangalore, South.	Wynaad.	The Nilgiris.	Palghat.	Nilambur Valley forest.	Total.
SIXTH CIRCLE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8-*c*. *Establishments*—cont.								
Contract Contingencies—Voted..	2,401	1,621	2,389	1,748	1,709	1,637	..	11,505
Non-contract Contingencies—Non-voted—								
Rates and Taxes	30	..	140	..	85	106	..	361
Non-contract Contingencies—Voted—								
2. Rents	1,132	335	483	1,189	1,644	885	..	5,668
5. Books and Periodicals ..	25	..	11	1	3	3	..	43
6. Miscellaneous	19	68	5	180	8	150	..	430
Total ..	3,607	2,024	3,028	3,118	3,449	2,781	..	18,007
Supplies and Services—General—								
1 Clothing and Equipment ..	4	34	..	56	63	13	..	170
2. Apparatus and Materials ..	9	104	212	2	147	99	..	573
Total ..	13	138	212	58	210	112	..	743
Total, 8-*c*. i. District Establishments.	49,843	65,974	58,744	81,523	79,785	53,432	4,738	3,94,039
Non-Voted ..	24,610	5,065	6,982	16,411	24,726	6,542	1,875	86,211
Voted ..	25,233	60,909	51,762	65,112	55,059	46,890	2,863	3,07,828
52-*A*. *b*. *Conservancy and Works.*								
II. Forest produce removed by private agency—Voted.	..	..	..	..	..	..	329	329
III. Drift and waifwood and confiscated forest produce —Voted.	.	..	..	..	..	..	1	1
V. Livestock, stores tools and plant—Voted—								
Purchase of livestock ..	(*a*) 1,745	..	464	3,690	1,345	..	2,252	9,496
Purchase of stores tools and plant.	..	133	606	*528	..	293	262	1,822
Total ..	1,745	133	1,070	4,218	1,345	293	2,514	11,318
VI. Works—Voted—								
Roads and bridges—								
Works in progress ..	..	..	1,896	1,456	..	347	815	4,514
New works	..	..	5,012	356	..	3,863	109	9,340
Buildings—								
Works in progress ..	..	..	79	1,345	..	544	585	2,553
New works	..	1,373	4,118	14,861	699	† 4,472	381	25,904
Other works—								
Works in progress ..	..	10	..	294	..	..	5	309
New works	..	655	207	484	..	..	2	1,348
Total ..	..	2,038	11,312	18,796	699	9,226	1,897	43,968

(*a*) Rs. 1,151 South Mangalore, Rs. 594 Wynaad.

* Includes Rs. 200 relating to sawmills division—Engineering branch.

† Includes Rs. 460 expenditure on Madras Forest College buildings.

Summary of expenditure of the different districts for the year 1927-28—*cont.*

Account heads (major, minor, sub-heads and units of appropriation).	Direction.	Mangalore, North.	Mangalore, South.	Wynaad.	The Nilgiris.	Palghat.	Nilambur Valley forests.	Total.
SIXTH CIRCLE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
52-A. *b.—Conservancy and Works*—cont.								
VII. Organization, improvement and extension of forests—Voted—								
1. Demarcation ..	..	..	1,265	476	..	111	63	1,915
6. Sowing and planting.	..	..	..	..	..	..	11,739	11,739
7. Protection from fire.	..	..	..	..	..	..	535	535
8. Other works ..	..	..	..	..	..	..	216	216
Total ..	..	..	1,265	476	..	111	12,553	14,405
VIII. Miscellaneous— Non-contract Contingencies Non-Voted—Rates and taxes.	..	..	..	..	..	..	47	47
Supplies and Services—General—Miscellaneous.	..	..	..	..	..	..	1	1
Total ..	..	..	..	..	..	..	48	48
Total, 52. *A.b.*—Conservancy and works.	1,745	2,171	13,647	23,490	2,044	9,630	17,842	70,069
Non-Voted ..	..	..	..	..	..	..	47	47
Voted ..	1,745	2,171	13,647	23,490	2,044	9,630	17,295	70,022
ii. *Regeneration.*								
52-A-c. Establishments— Pay of officers—Non-voted ..	..	..	..	..	..	..	3,946	3,946
Pay of officers—Voted	..	..	..	..	..	..	3,698	3,698
Pay of establishments—Voted—								
1. Permanent	..	..	..	..	..	..	7,423	7,423
2. Temporary	..	..	..	..	..	..	1,909	1,909
Total ..	..	..	..	..	..	..	13,030	13,030
Allowances—Non-Voted— Travelling allowance	..	..	..	..	..	..	468	468
Allowances—Voted—								
1. Travelling allowance ..	..	..	..	..	..	..	1,758	1,758
2. Fixed travelling allowance.	..	..	..	..	..	..	714	714
3. Other compensatory ..	..	..	..	..	..	..	216	216
Total ..	..	..	..	..	..	..	2,688	2,688
Contract Contingencies—Voted..	..	..	..	..	..	..	325	325
Non-contract Contingencies—Voted— 4. Telephone Charges ..	..	..	..	..	..	..	133	133
Supplies and services—General— 2. Apparatus and Materials ..	..	..	..	..	..	..	8	8
Total ..	..	..	..	..	..	..	20,598	20,598
Non-voted ..	..	..	..	..	..	..	4,414	4,414
Voted ..	..	..	..	..	..	..	16,184	16,184
52. A-d. Investments on Government Commercial undertakings.	..	..	..	..	..	..	342	342

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Summary of revenue and expenditure of the different divisions of the Forest Engineering Branch for the year 1927-28.

Units of appropriation.	Forest Engineer, Madras.	Logging Engineer.	Forest utilization officer.	Forest Engineer-in-charge of saw mills and extraction.	Chenat Nair division.	Forest economist.	Chief Forest Engineer.	Total.
ENGINEERING BRANCH.	RS.	RS.	RS.	RS.		RS.	RS.	RS.
8. (*b*) *Conservancy and Works.*								
I. Forest produce removed by Government Agency—								
Timber	..	27,495	23,728	62,421	..	236	1,306	1,15,186
Firewood and charcoal ..	..	..	..	..	..	..	..	..
Bamboos	..	..	..	..	..	..	..	..
Sandalwood	..	..	..	..	..	..	..	..
Grass and other minor produce.	..	..	..	..	..	..	..	..
II. Forest produce removed by private agency	..	..	..	..	..	..	..	..
III. Drift and waifwood and confiscated forest produce ..	..	..	..	..	..	..	..	..
IV. Rent of leased and part owned forests	..	..	..	..	..	..	..	..
V. Live stock, Stores, and Tools—								
Purchase of live stock ..	..	..	..	..	..	..	..	..
Feed and keep of live-stock	..	..	..	..	..	..	..	..
Purchase of stores, tools and plant	133	206	162	8,762	..	..	..	9,263
VI. Works—Voted—								
Roads and bridges ..	— 258	29	..	2,391	..	..	..	2,162
Buildings	479	1,882	..	600	..	..	..	2,961
Other works	831	..	..	..	..	..	..	831
VII. Organization, Improvement and extension of forests—								
Survey (Local)	..	..	..	..	..	..	..	..

Summary of revenue and expenditure of the different divisions of the Forest Engineering Branch for the year 1927-28—*cont.*

Units of appropriation.	Forest Engineer, Madras.	Logging Engineer.	Forest Utilization officer.	Forest Engineer-in-charge of saw mills and extraction.	Chenat Nair division.	Forest Economist.	Chief Forest Engineer.	Total.
ENGINEERING BRANCH—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8. (*b*) *Conservancy and Works* —cont.								
VIII. Miscellaneous—								
Supplies and services—Miscellaneous	..	..	..	..	..	3	..	3
IX. Suspense works—advances—Voted.	— 468	1,459	..	— 886	..	..	..	105
Total ..	717	31,071	23,890	73,288	..	239	1,306	1,30,511
8. (*c*) iii. *Exploitation.*								
Pay of officers—								
Non-voted	17,145	3,050	23,309	2,190	202	9,733	— 203	55,426
Voted	6,705	17,550	6,493	15,417	..	..	36,000	82,165
Pay of establishments—Voted—								
Permanent	12,284	17,438	5,608	3,286	342	180	..	39,138
Temporary	..	8,530	13,196	1,890	2,241	1,237	7,969	35,063
Allowances—Non-voted—								
Travelling allowances	4,727	926	7,848	..	..	2,384	..	15,885
Other compensatory	..	..	4,200	..	..	1,800	..	6,000
Cost of passages granted under the Superior Civil Services Rules in 1924	..	..	..	..	2,929	..	— 39	2,890
Allowances—Voted—								
Travelling allowances .. .	8,385	12,134	7,530	6,125	..	644	5,300	40,118
Fixed travelling allowances ..	212	3,051	86	142	..	..	..	3,491
Other compensatory	794	672	1,636	103	..	..	120	3,325
Contract contingencies	977	656	915	987	..	..	4,213	7,748

Summary of revenue and expenditure of the different divisions of the Forest Engineering Branch for the year 1927-28—*cont.*

Units of appropriation.	Forest Engineer, Madras.	Logging Engineer.	Forest Utilization officer.	Forest Engineer-in-charge of saw mills and extraction.	Chenat Nair division.	Forest Economist.	Chief Forest Engineer.	Total.
ENGINEERING BRANCH—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8 (*c*)-iii. *Exploitation*—cont.								
Non-contract contingencies—Non-voted—								
Rates and Taxes	85	..	10	..	..	..	..	95
Non-contract contingencies—Voted—								
Rents	..	..	297	..	..	..	3,043	3,340
Telephone charges	..	..	..	..	..	..	227	227
Books and periodicals ..	..	..	15	..	..	..	36	51
Miscellaneous	..	..	150	..	..	..	13	163
Contributions from Governments, Departments, etc.—Non-voted	..	..	..	..	..	..	2,048	2,048
Supplies and services—								
Apparatus and materials ..	..	..	164	245	..	..	102	511
Miscellaneous	..	3	..	..	..	..	..	3
Total ..	51,314	64,010	71,457	30,385	5,714	15,978	58,829	2,97,687
52-*A. b. Conservancy and Works.*								
II. Forest produce removed by private agency	..	..	33	..	..	..	..	33
V. Livestock, stores and tools—								
Purchase of livestock ..	..	..	..	..	..	..	..	..
Feed and keep of livestock.	..	..	216	..	..	..	..	216
Purchase of stores, tools and plant	..	849	128	— 3,253	9,420	— 1,081	— 132	5,931

Summary of revenue and expenditure of the different divisions of the Forest Engineering Branch for the year 1927–28—*cont.*

Units of appropriation.	Forest Engineer, Madras.	Logging Engineer.	Forest Utilization officer.	Forest Engineer-in-charge of saw mills and extraction	Chenat Nair division.	Forest economist.	Chief Forest Engineer.	Forest Engineer-in-charge of exploitation.	Total.
ENGINEERING BRANCH—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
52-*A. b. Conservancy and Works* —cont.									
VI. Works—Voted—									
Roads and bridges—									
Works in progress ..	1,404	..	..	..	..	..	..	..	1,404
New works	..	..	..	8,993	..	..	..	..	8,993
Buildings—									
Works in progress ..	28,130	..	..	..	..	..	..	..	28,130
New works	1,21,828	..	22	..	..	..	..	..	1,21,850
Other works—									
Works in progress ..	..	..	..	..	..	..	..	..	..
New works	17,033	..	..	..	..	..	..	..	17,033
VII. Organization, improvement and extension of forests—									
Sowing and planting ..	..	..	115	..	..	..	..	..	115
Total ..	1,68,395	849	514	5,740	— 1,081	— 132	9,420	..	1,83,705
52-*A. d. Investments in Government commercial undertakings.*									
Chenat Nair Exploitation scheme including Olavakkot Saw Mill.	..	..	..	..	..	..	..	2,06,200	2,06,200
Mount Stuart Forests	1,404	..	..	..	..	..	..	..	1,404
Nilambur Valley Forests ..	..	9,000	..	..	..	..	..	..	9,000
Total ..	1,404	9,000	..	..	..	..	..	2,06,200	2,16,604

Summary of revenue and expenditure for 1927–28.

Summary of revenue and expenditure for 1927-28.

Budget heads.	First Circle.	Second Circle.	Third Circle.	Fourth Circle.	Fifth Circle.	Sixth Circle.	Engineering Branch.	Forest College.	Parlakimedi Maliahs.	Total. 1927-28.	Total. 1926-27.
VIII—FOREST—RECEIPTS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
(a) Timber and other produce removed by Government Agency—											
Sandalwood	..	1,500	..	6,97,144	2,97,462	18,265	..	..	..	10,14,371	9,76,189
Other produce—											
Timber	1,21,192	57,723	201	4,834	13,434	2,68,165	1,30,806	..	2,212	5,98,567	7,39,223
Firewood and charcoal	8,974	15,556	..	1,120	4,329	56,208	..	..	2,181	88,368	67,830
Bamboos	33	1,954	..	..	..	13	..	..	..	2,000	6,792
Other minor produce	7,387	1,609	..	366	1,309	2,275	15	..	190	13,151	18,626
Total ..	1,37,586	76,842	201	6,320	19,072	3,26,661	1,30,821	..	4,583	7,02,086	8,32,471
Total, (a) ..	1,37,586	78,342	201	7,03,464	3,16,534	3,44,926	1,30,821	..	4,583	17,16,457	18,08,660
(b) Timber and other produce removed by consumers or purchasers—											
Forest Department—											
Timber	25,837	59,376	..	4,663	5,397	2,820	..	..	4,640	1,02,733	1,06,085
Firewood and charcoal	1,84,792	42,253	..	64,955	1,70,395	72,444	..	..	5,616	5,40,455	6,45,257
Bamboos	1,00,468	64,666	..	1,11,731	40,955	18,501	..	..	2,962	3,39,283	3,85,534
Grazing and fodder grass	1,16,449	1,59,975	..	1,92,950	1,34,654	31,175	..	..	1,379	6,36,582	7,17,644
Other minor produce	62,244	65,461	..	59,514	71,557	30,090	544	..	18,971	3,08,381	3,15,506
Total, Forest Department ..	4,89,790	3,91,731	..	4,33,813	4,22,958	1,55,030	544	..	33,568	19,27,434	21,70,026
Revenue Department—											
Timber	39,233	42,232	..	68,832	26,283	20,701	..	..	..	1,97,281	1,95,200
Firewood and charcoal	33,832	41,208	..	32,103	68,099	13,135	..	..	..	1,88,377	1,30,009
Bamboos	393	4	..	342	1,543	55	..	..	..	2,337	1,958
Other minor produce	39,141	2,47,344	..	88,391	48,648	8,153	..	..	..	4,31,677	4,68,011
Total, Revenue Department ..	1,12,599	3,30,788	..	1,89,668	1,44,573	42,044	..	..	..	8,19,672	7,95,178
Total, (b) ..	6,02,389	7,22,519	..	6,23,481	5,67,531	1,97,074	544	..	33,568	27,47,106	29,65,204

(c) Drift and waif wood, etc.	4,928	3,561	..	932	1,707	1,030	..	..	19	12,177	12,737
(d) Profits from commercial undertakings ..	8,390	..	..	..	..	1,32,838	..	..	..	1,41,228	2,16,533
(e) Miscellaneous—											
Fines and forfeitures	4,703	3,602	..	3,220	3,262	671	..	..	50	15,508	21,427
Forest College	..	..	..	..	..	..	..	68,192	..	68,192	69,345
Rents of buildings	6,263	6,453	1	5,313	12,010	5,716	152	1,768	246	37,922	34,494
Other courses	52,326	88,283	788	77,967	89,558	57,060	10,113	..	1,107	3,77,262	3,81,611
Total, (e) ..	63,292	98,338	789	86,500	1,04,830	63,447	10,265	69,960	1,463	4,98,824	5,86,877
(f) Recoveries of investments from commercial undertakings	..	..	..	..	17,034	16	..	..	..	17,050	20,860
(g) Recoveries of indirect charges from commercial undertakings	1,800	..	..	..	..	21,827	..	..	..	23,627	22,698
Total ..	8,18,385	9,02,760	990	14,14,377	10,07,636	7,61,158	1,41,630	69,960	39,573	51,56,469	55,55,149
Deduct refunds ..	5,960	2,172	..	23,450	1,411	2,972	66	343	2	36,376	33,700
Grand Total ..	8,12,425	9,00,588	990	13,90,927	10,06,225	7,58,186	1,41,564	69,617	39,571	51,20,093	55,21,449
Added or deducted with reference to the Accountant-General's actuals	(a)+ 8,062	(b) + 1	..	(b) + 3	(b) − 2	..	(b) +1	..	..	8,065 (c) 276	(a) 8,466 11
	..	..	..	..	..	..	..	..	..	51,28,434	55,29,926

EXPENDITURE.

8. (b) Conservancy and Works.

Forest produce removed by Government Agency—											
Timber	99,711	15,712	..	1,658	14,024	1,28,798	1,15,186	..	746	3,75,835	5,00,560
Firewood and charcoal	4,587	5,532	..	148	4,180	17,395	..	..	448	32,290	32,804
Bamboos	23	1,394	..	..	..	..	..	..	..	1,417	4,871
Sandalwood	..	85	..	35,905	15,878	1,963	..	..	..	53,826	85,160
Grass and other minor produce	5,328	1,170	..	86	164	513	..	..	65	7,326	8,899
Total ..	1,09,649	23,893	..	37,797	34,241	1,48,669	1,15,186	..	1,259	4,70,694	6,32,294
II. Forest produce removed by private Agency	33,695	25,152	..	31,764	31,022	10,196	..	..	1,996	1,33,825	1,46,252
III. Drift and waifwood and confiscated forest produce	72	136	..	63	799	23	..	..	..	1,093	409

(a) Includes revenue from Agency tracts for which separate figures are not available.
(b) Differences due to rounding.
(c) Chief Conservator's office (VIII-e. Other sources).

Summary of revenue and expenditure for 1927–28—*cont.*

Budget heads.	First Circle.	Second Circle.	Third Circle.	Fourth Circle.	Fifth Circle.	Sixth Circle.	Engineering Branch.	Forest College.	Parlakimedi Maliahs.	Total. 1927-28.	Total. 1926-27.
EXPENDITURE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8. (b). *Conservancy and Works*—cont.											
IV. Rent of leased and part owned forests ..	525	..	..	..	..	..	..	..	..	525	522
V. Live stock, stores, tools and plant—											
Purchase of live stock	..	..	..	..	..	196	..	..	..	196	64
Feed and keep of live stock	2,239	2,144	..	29	11,471	64,801	..	..	..	80,684	67,557
Purchase of stores, tools and plant ..	9,479	972	..	676	1,192	3,668	9,263	2	42	25,294	15,364
Total ..	11,718	3,116	..	705	12,663	68,665	9,263	2	42	1,06,194	82,985
VI. Works—Voted—											
Forest College works	..	..	..	..	..	..	..	2,671	..	2,671	3,665
Chenchu Officer—Works	..	467	..	..	..	..	..	..	..	467	701
Roads and bridges	7,497	18,794	..	10,054	27,375	16,625	2,162	..	..	82,507	98,139
Buildings	19,694	15,437	..	13,415	12,683	7,105	2,961	..	106	71,401	70,352
Other works	370	1,284	..	661	454	1,143	831	..	8	4,751	4,924
Total ..	27,561	35,982	..	24,130	40,512	24,873	5,954	2,671	114	1,61,797	1,77,781
VII. Organization, improvements and extension of forests—											
Demarcation	237	727		952	325	1,348	..	..	..	3,589	3,969
Cost of forest settlement, etc. ..	..	..	..	..	..	..	..	..	..	..	..
Surveys (1) Local	8	600	..	..	..	..	..	..	..	608	1,043
Surveys (2) India	..	..	..	..	..	..	..	..	..	..	..
Working-plans	..	..	..	..	..	..	..	..	..	..	..
Sowing and planting	3,694	1,941	..	4,058	967	27,962	..	..	109	38,731	41,006
Protection from fire	13,349	6,314	..	5,099	5,593	11,279	..	..	632	42,266	45,729
Other works	5,326	4,097	..	683	1,739	2,942	..	..	..	14,789	16,306
Total ..	22,614	13,679	..	10,792	8,624	43,531	..	..	741	99,981	1,08,053

VIII. Miscellaneous—											
Honoraria—Voted	150	569	..	125	167	50	..	..	..	1,061	1,286
Rates and taxes..	56	..	..	106	238	3,704	..	..	..	4,104	7,444
Non-contract—Miscellaneous—Law charges.	9	189	..	65	54	19	..	..	..	336	928
Grants-in-aid—Recurring	..	..	..	..	..	5,172	..	..	..	5,172	4,782
Supplies and services, general	..	417	..	} 550							
Miscellaneous	11	..	..		1,004	755	3	..	..	2,740	9,895
Total ..	226	1,175	..	846	1,463	9,700	3	..	..	13,413	24,335
IX. Suspense—Works—Advances	102	— 96	20	219	363	1,112	105	..	..	1,805	959
Grand Total ..	2,06,162	1,03,037	20	1,06,316	1,29,687	3,06,769	1,30,511	2,673	4,152	9,89,327	11,73,590
Added or deducted with reference to Accountant-General's actuals	(a)+ 3,586	(b) +106	..	(b) —1	(b) — 1	(b) +1	(b) — 1	..	..	3,690 (c) 6,898	— 4,053 (c) 6,900
										9,99,915	11,76,437
8. C.—*District Establishments.*											
Pay of Officers—Non-voted	58,790	65,871	..	38,435	88,634	72,181	55,426	22,580	..	4,01,917	3,86,101
Pay of officers—Voted—	49,714	23,620	..	40,101	8,049	35,483	82,165	20,482	6,950	2,66,364	2,81,960
Pay of establishments—Voted—											
1. Permanent	2,74,139	3,04,730	..	2,63,658	2,10,899	1,89,375	39,138	10,679	19,220	13,11,838	13,95,350
2. Temporary	12,190	7,036	..	10,099	2,948	9,470	35,063	14,404	714	91,924	90,113
Travelling allowances—Non-voted	14,417	11,485	..	5,871	20,247	13,729	15,885	3,246	..	84,880	..
Cost of passages	870	..	..	409	4,755	..	2,890	3,714	..	12,638	14,285
Other compensatory	..	..	..	..	..	..	6,000	..	..	6,000	..
Allowances—Voted—											
Travelling allowance	53,317	39,892	..	33,993	28,862	37,575	40,118	8,423	3,720	2,45,900	3,28,267
Fixed travelling allowance	12,652	15,141	..	14,986	10,611	8,546	3,491	..	666	66,093	74,065
Other compensatory	4,357	4,894	..	4,192	3,531	8,930	3,325	..	317	29,546	37,220
Total ..	70,326	59,927	..	53,171	43,004	55,051	46,934	8,423	4,703	3,41,559	4,39,552

(a) Includes expenditure in the Agency tracts for which separate figures are not available.
(b) Differencesdue to rounding.
(c) Chief Conservator's office (8. b. VII—Survey—India.)

Summary of revenue and expenditure for 1927-28—*cont.*

Budget heads.	First Circle.	Second Circle.	Third Circle.	Fourth Circle.	Fifth Circle.	Sixth Circle.	Engineering Branch.	Forest College.	Parlakimedi Maliahs.	1927-28.	1926-27.
EXPENDITURE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8. C. *District Establishments*—cont.											
Honoraria—Voted	..	..	..	..	..	..	..	855	..	855	855
Contract contingencies—Voted	17,348	1,805	..	14,326	12,712	11,505	7,748	83	1,311	77,838	72,729
Non-contract contingencies—Non-voted—											
Rates and taxes	1,868	498	..	341	531	361	95	..	4	3,698	2,817
Voted—											
1. Pay of menials	..	..	..	..	..	..	..	2,158	..	2,158	3,234
2. Rents	9,886	9,703	..	5,929	6,966	5,668	3,340	29,751	858	72,101	46,842
3. Electric current	..	..	..	..	..	..	..	..	..	..	..
4. Telephone charges	2	..	..	..	..	..	227	175	..	404	330
5. Books and periodicals	..	24	..	2	26	43	51	293	..	439	642
6. Miscellaneous	244	40	..	353	339	480	163	4,375	3	5,947	12,492
Total ..	10,132	9,767	..	6,284	7,331	6,141	3,781	34,594	861	78,891	63,540
Supplies and services—											
1. Clothing and equipment	2	..	..	..	..	170	..	..	..	172	234
2. Apparatus and materials	1,083	1,081	..	1,231	715	573	511	2,702	..	7,896	5,895
Miscellaneous	..	..	..	..	..	..	3	2,986	.	2,989	5,295
Total ..	1,085	1,081	..	1,231	715	743	514	5,688	..	11,057	11,424
Grants-in-aid—Recurring	..	..	..	..	..	..	2,048	400	..	2,448	3,567
Grand Total ..	5,10,879	5,00,820	..	4,33,926	3,99,825	3,94,039	2,97,687	1,27,306	33,764	26,98,246	27,62,293
Added or deducted with reference to Accountant-General's actuals	(a) 2,724	(b) + 2	..	..	(b) − 2	(b) − 1	(b) + 3	..	..	2,726	(a) 17,644
	..	..	..	..	..	..	..	..	..	(c) 6,609	(c) 1,237
	..	..	..	..	..	..	..	..	..	27,07,581	27,81,174

52. A. CAPITAL OUTLAY.

b. *Conservancy and works.*											
II. Forest produce removed by private agency.	..	..	..	..	..	329	33	..	..	362	431
III. Drift and waifwood	..	..	..	..	..	1	..	..	..	1	13
IV. Rent of leased and part-owned forests ..	..	..	..	..	3,750	..	..	..	..	3,750	1,950
V. Live-stock, stores, tools, etc. :—											
Purchase of live-stock	..	..	..	..	7,522	9,496	..	..	..	17,018	22,890
Feed and keep of live-stock	..	..	..	..	24	..	216	..	..	240	6,675
Purchase of stores	4,829	159	18	279	1,249	1,822	5,931	..	..	14,287	56,214
Total ..	4,829	159	18	279	8,795	11,318	6,147	..	..	31,545	85,779
VI. Works—Voted—											
Forest College—											
Works in progress	..	..	..	..	..	..	..	..	..	..	..
New works	..	..	..	..	..	..	..	..	..	..	..
Roads and bridges—											
Works in progress	1,635	..	..	1,987	1,585	4,514	1,404	..	..	11,125	22,296
New works	958	1,206	..	3,511	3,492	9,340	8,993	..	..	27,500	64,275
Buildings—											
Works in progress	11,169	1,896	..	3,916	..	2,553	28,130	..	..	47,664	42,995
New works	5,086	7,640	..	20,463	5,832	25,904	1,21,850	..	254	1,87,029	82,623
Other works—											
Works in progress	78	..	..	69	265	309	..	..	..	721	6,070
New works	— 78	2,071	..	738	12	1,348	17,033	..	..	21,124	12,131
Total ..	18,848	12,813	..	30,684	11,186	43,968	1,77,410	..	254	2,95,163	2,30,390
VII.—Organization, etc., of forests—											
Demarcation	1,897	..	..	..	1,275	1,915	..	..	..	5,087	4,865
Surveys—Local	1,000	..	..	..	..	..	..	..	..	1,000	76
Cost of forest settlement, etc.	..	..	..	..	..	..	..	..	..	..	7,689
Working plans	..	..	949	..	..	..	..	..	..	949	1,063
Sowing and planting	..	..	..	..	8,889	11,739	115	..	..	20,743	48,181
Protection from fire	..	..	..	..	134	535	..	..	..	669	4,135
Other works	446	499	..	..	245	216	..	..	..	1,406	1,784
Total ..	3,343	499	949	..	10,543	14,405	115	..	..	29,854	67,798

(a) Includes expenditure in the Agency tracts for which separate figures are not available.
(b) Differences due to rounding.
(c) General direction (passage pay).

Summary of revenue and expenditure for 1927–28—*cont.*

Budget heads.	First Circle.	Second Circle.	Third Circle.	Fourth Circle.	Fifth Circle.	Sixth Circle.	Engineering Branch.	Forest College.	Parlakimedi Maliahs.	1927–28.	1926–27.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.		RS.	RS.	RS.
EXPENDITURE—*cont.*											
52. A. b. *Conservancy and Works*—cont.											
VIII.—Miscellaneous—Non-contract contingencies—											
Rates and taxes	..	..	..	..	..	47	..	..	..	47	..
Supplies and services—Miscellaneous ..	..	..	..	..	..	1	..	..	..	1	..
Total ..	..	..	..	..	..	48	..	..	..	48	..
Grand Total ..	27,020	13,471	967	30,963	34,274	70,069	1,83,705	..	254	3,60,728	3,86,356
Added or deducted with reference to Accountant-General's actuals	(a) 1,063	(b) +1	..	..	(b) −1	(b) +1	(b) 1	..	..	1,063	(a) 819
	..	..	..	..	..	..	..	..	..	(c) 8,317	(d) 10,593
	..	..	..	..	..	..	..	..	..	3,70,103	3,97,768
52. A. c. ii. *Regeneration.*											
Pay of officers, Non-voted	..	..	50,018	..	..	3,946	..	..	..	53,964	56,009
Pay of officers—Voted	..	..	7,689	..	..	3,698	..	..		11,387	14,079
Pay of establishments—											
Permanent	..	..	16,275	..	4,960	7,423	..	..	..	28,658	37,202
Temporary	..	..	333	..	..	1,909	..	..	..	2,242	2,556
Allowances—Non-voted—Travelling	..	..	12,782	..	..	468	..	..	..	13,250	1,430
Allowances—Voted—Travelling	..	..	8,748	..	934	1,758	..	..	..	11,440	27,183
Allowances—Fixed travelling	..	..	85	..	235	714	..	..	..	1,034	2,079
Allowances—Other compensatory	..	..	1,567	..	33	216	..	..	..	1,816	2,950
Total ..	..	..	10,400	..	1,202	2,688	..	..	..	14,290	32,212
Contract contingencies	..	..	2,440	..	..	325	..	..	..	2,765	463
Non-contract contingencies—											
Rents	..	..	837	..	..	..	..	..	..	837	3,168
Telephone charges	..	..	..	..	..	133	..	..	..	133	344
Books and periodicals	..	..	34	..	..	..	..	..	..	34	..
Miscellaneous	..	..	71	..	..	..	..	..	..	71	2,316
Total ..	..	..	942	..	..	133	..	..	..	1,075	5,828

Supplies and services—Voted—											
Apparatus and materials	..	..	41	..	..	8	..	..	..	49	7
Miscellaneous	..	..	790	..	..	..	..	..	..	790	346
Total ..	..	..	831	..	..	8	..	..	..	839	353
Grand Total ..	..	..	1,01,710	..	6,162	20,598	..	..	..	1,28,470	1,50,132 (e) + 12
	..	..	..	..	..	..	..	..	..	:	1,50,144
52. A. d. Investments in Government Commercial undertakings	(f) 928	..	..	..	3,192	342	2,61,604	..	..	2,21,066	88,570
Abstract.											
VIII. Forest—Receipts	..	..	..	..	..	..	..	..	..	51,28,434	55,29,926
8. *Expenditure.*											
a. General Direction—Chief Conservator's office	..	..	..	..	..	..	..	..	..	1,24,300	1,70,709
b. Conservancy and Works	..	..	..	..	..	..	..	..	..	9,99,915	11,76,437
c. i. iii and iv.—District establishments including the Engineering Branch and Forest College	..	..	..	..	..	..	..	..	..	27,07,581	27,81,174
c. ii. Forest Research Officer	..	..	..	..	..	..	..	..	..	32,896	26,395
c. v. Chenchu Officer	..	..	..	..	..	..	..	..	..	27,848	22,822
d. Loss in Government Commercial undertakings	..	..	..	..	..	..	..	..	..	1,55,178	97,154
e. Expenditure in England	..	..	..	..	..	..	..	..	..	1,45,747	1,09,230
f. Loss by exchange	..	..	..	..	..	..	..	..	..	..	37,207
52. *A. Capital expenditure.*											
b. Conservancy and works	..	..	..	..	..	..	..	..	..	3,70,103	3,97,768
c. ii. Regeneration	..	..	..	..	..	..	..	..	..	1,28,470	1,50,144
d. Investments in Government Commercial undertakings	..	..	..	..	..	..	..	..	..	2,21,066	88,569
Total ..	..	..	..	..	..	..	..	..	..	49,12,604	50,57,609

(a) Includes expenditure in Agency tracts for which separate figures are not available.
(b) Differences due to rounding.
(c) General direction—Chief Conservator's office (52. A. b. v.—Stores, tools, etc.)
(d) General direction—Supply of tents.
(e) Added to tally with the Accountant-General's actuals.
(f) Not furnished by the Conservator.

ANNUAL FORM No. 40.

Forest Department, Madras Presidency.

Outstandings and liabilities on account of contractors and disbursers for the year 1927–28.

District.	Department debtor.			Department creditor.			Balance due.	
	At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).
First Circle.		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
Direction	..	1,211 5 6	1,211 5 6	0 10 3	1,274 2 6	1,274 12 9	63 7 3	..
Ganjam	..	2,27,796 14 5	2,27,796 14 5	1,849 7 9	2,27,637 3 0	2,29,486 10 9	1,689 12 4	..
Vizagapatam	..	38,092 4 10	38,092 4 10	159 9 8	39,152 1 0	39,311 10 8	1,219 5 10	..
Lower Gōdāvari	..	82,848 1 9	82,848 1 9	1,419 10 11	82,057 0 0	83,476 10 11	628 9 2	..
Parlakimedi Maliahs	..	24,461 11 0	24,461 11 0	131 15 5	24,535 1 9	24,667 1 2	205 6 2	..
Golkonda Agency	..	12,302 13 10	12,302 13 10	230 4 8	12,806 10 0	13,036 14 8	734 0 10	..
Upper Gōdāvari	..	76,638 15 7	76,638 15 7	221 6 6	76,682 3 2	76,903 9 8	264 10 1	..
Guntur	..	58,764 4 2	58,764 4 2	373 12 9	58,579 8 1	58,953 4 10	189 0 8	..
Nellore	..	80,553 12 2	80,553 12 2	164 4 2	80,693 3 9	80,857 7 11	303 11 9	..
Total ..	..	6,02,670 3 3	6,02,670 3 3	4,551 2 1	6,03,417 1 3	6,07,968 3 4	5,298 0 1	..
Second Circle.								
Direction	..	1,659 1 0	1,659 1 0	49 4 2	1,628 14 0	1,678 2 2	19 1 2	..
Kurnool, East	..	76,208 11 11	76,208 11 11	298 1 4	76,271 3 2	76,569 4 6	360 8 7	..
Do South	..	95,618 5 5	95,618 5 5	1,108 3 8	94,581 8 2	95,689 11 10	71 6 5	..
Do. West	..	1,02,088 3 8	1,02,088 3 8	1,084 15 9	1,02,221 11 3	1,03,306 11 0	1,218 7 4	..
Anantapur	..	67,233 14 1	67,233 14 1	99 1 10	67,346 2 10	67,445 4 8	211 6 7	..
Cuddapah, North	..	73,613 1 10	73,613 1 10	439 10 7	73,985 9 0	74,425 3 7	812 1 9	..
Do. South	..	75,500 12 1	75,500 12 1	11 4 0	75,662 2 6	75,673 6 6	172 10 5	..
Total ..	..	4,91,922 2 0	4,91,922 2 0	3,090 9 4	4,91,697 2 11	4,94,787 12 3	2,865 10 3	..

Third Circle.								
Direction	..	8,910 4 6	8,910 4 6	299 15 0	8,714 6 0	9,014 5 0	104 0 6	..
Research	..	8,224 5 3	8,224 5 3	190 4 8	8,212 11 6	8,403 0 2	178 10 11	..
Wynaad Working Plan ..	..	480 14 0	480 14 0	7 5 0	532 0 0	539 5 0	58 7 0	..
Nilambur Do. ..	..	985 5 0	985 5 0	14 0 8	972 11 0	986 11 3	1 6 3	..
Mangalore Do. ..	..	427 4 0	427 4 0	..	427 4 0	427 4 0	..	..
Mount Stuart	..	91 5 0	91 5 0	..	91 5 0	91 5 0	..	..
Total ..	..	19,119 5 9	19,119 5 9	511 8 11	18,950 5 6	19,461 14 5	342 8 8	..
Fourth Circle.								
Direction	..	1,009 11 3	1,009 11 3	13 9 8	1,019 14 3	1,033 7 11	23 12 8	..
Vellore	..	1,32,582 13 4	1,32,582 13 4	748 7 11	1,32,442 15 2	1,33,191 7 1	608 9 9	..
Chittoor	..	66,212 14 3	66,212 14 3	371 5 0	66,319 5 0	66,690 10 0	477 11 9	..
Salem, North	..	89,446 14 8	89,446 14 8	385 1 6	89,530 5 0	89,915 6 6	468 7 10	..
Do. Central	..	77,972 1 8	77,972 1 8	898 15 0	77,384 9 10	78,283 8 10	311 7 2	..
Do. South	..	58,432 8 10	58,432 8 10	268 4 10	58,197 1 0	58,465 5 10	32 13 0	..
Total ..	..	4,25,657 0 0	4,25,657 0 0	2,685 11 11	4,24,894 2 3	4,27,579 14 2	1,922 14 2	..
Fifth Circle.								
Direction	..	1,597 4 11	1,597 4 11	84 0 1	1,563 15 0	1,647 15 1	50 10 2	..
Madura	..	1,12,376 14 7	1,12,376 14 7	1,158 4 6	1,11,458 8 11	1,12,616 13 5	239 14 10	..
Tinnevelly	..	74,092 8 4	74,092 8 4	347 12 11	73,951 9 1	74,299 6 0	206 13 8	..
Kollegal	..	54,610 0 3	54,610 0 3	43 2 9	54,629 5 0	54,672 7 9	62 7 6	..
Coimbatore, North	..	94,543 12 9	94,543 12 9	988 12 2	94,067 4 0	95,056 0 2	512 3 5	..
Do. South	..	58,192 1 10	58,192 1 10	1,252 11 0	58,071 14 6	59,324 9 6	1,132 7 8	..
Tanjore	..	..	..	..	..	..	..	..
Total ..	..	3,95,412 10 8	3,95,412 10 8	3,874 11 5	3,93,742 8 6	3,97,617 3 11	2,204 9 3	..

Outstandings and liabilities on account of contractors and disbursers for the year 1927–28—*cont.*

District.	Department debtor. At commencement of year.	Department debtor. Recoveries in cash and value of supplies and work done during the year.	Department debtor. At close of year.	Department creditor. At commencement of year.	Department creditor. Payments made during year.	Department creditor. At close of year.	Balance due. To department (outstandings).	Balance due. By department (liabilities).
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
Sixth Circle.								
Direction	..	11,800 0 9	11,800 0 9	3,409 6 11	8,469 4 5	11,878 11 4	78 10 7	..
Nilgiris	..	99,381 13 10	99,381 13 10	580 1 1	99,336 5 6	99,916 6 7	534 8 9	..
Wynaad	..	1,47,069 8 7	1,47,069 8 7	502 6 11	1,47,043 4 9	1,47,545 11 8	476 3 1	..
Mangalore, North	..	92,316 4 8	92,316 4 8	75 15 10	92,394 6 1	92,470 5 11	154 1 3	..
Do. South	..	1,06,412 9 4	1,06,412 9 4	797 12 8	1,06,158 4 0	1,06,956 0 8	543 7 4	..
Palghat	..	74,260 12 1	74,260 12 1	474 14 11	74,024 10 6	74,499 9 5	238 13 4	..
Nilambur	..	658 11 9	658 11 9	788 11 9	0 7 5	789 3 2	130 7 5	*..
Total ..	..	5,31,899 13 0	5,31,899 13 0	6,629 6 1	5,27,426 10 8	5,34,056 0 9	2,156 3 9	..
Exploitation Division.								
Forest Engineer	..	1,86,611 11 9	1,86,611 11 9	3,196 10 2	1,83,840 8 10	1,87,037 3 0	425 7 3	..
Logging Engineer	..	84,679 2 2	84,679 2 2	863 15 8	85,800 0 6	86,664 0 2	1,984 14 0	..
Utilization Division	..	29,605 4 5	29,605 4 5	112 15 11	31,838 12 2	31,951 12 1	2,346 7 8	..
Sawmills Division	..	1,58,361 4 11	1,58,361 4 11	—2,276 12 4	1,58,642 9 2	1,56,365 12 10	1,995 8 1	..
Chenat Nair Do.	..	3,309 11 0	3,309 11 0	4,043 1 0	..	4,043 1 0	733 6 0	..
Total ..	..	4,62,567 2 3	4,62,567 2 3	5,939 14 5	4,60,121 14 8	4,66,061 13 1	3,494 10 10	..
Grand Total, Presidency ..	..	29,29,248 4 11	29,29,248 4 11	27,283 0 2	29,20,249 13 9	29,47,532 13 11	18,284 9 0	..

* This is being adjusted in the current year.

ANNUAL FORM No. 41.

Forest Department, Madras Presidency.

Revenue received and outstandings on account of revenue during the year 1927–28.

ANNUAL FORM No. 41.

Forest Department, Madras Presidency.

Revenue received and outstandings on account of revenue during the year 1927–28.

District.	Particulars.	Outstandings at commencement of the year. RS. A. P.	Value of sales and other revenue during the year. RS. A. P.	Total. RS. A. P.	Amount realized during the year. RS. A. P.	Balance due to the department at the end of the year. RS. A. P.
First Circle.						
Direction	Timber and other forest produce ..	..	142 0 0	142 0 0	142 0 0	..
Ganjam	Do.	1,1857 7 7	1,65,231 7 3	1,77,088 14 10	1,70,174 0 0	6,914 14 10
Vizagapatam	Do.	400 0 0	63,870 7 0	64,270 7 0	60,999 0 0	3,271 7 0
Godavari, Upper	Do.	1,686 0 0	91,287 5 0	92,973 5 0	79,880 0 0	13,093 5 0
Do. Lower	Do.	3,103 12 0	2,12,136 0 0	2,15,239 12 0	2,12,087 0 0	3,152 12 0
Guntur	Do.	2,389 10 0	2,00,271 1 9	2,02,660 11 9	1,77,859 0 0	24,801 11 9
Nellore	Do.	2,146 2 0	1,11,134 14 10	1,13,281 0 10	1,11,284 0 0 † 1 0 0	1,996 0 10
	Total ..	21,582 15 7	8,44,073 3 10	8,65,656 3 5	* 8,12,426 0 0	(a) 53,230 3 5
Second Circle.						
Direction	Timber and other forest produce ..	..	826 0 0	826 0 0	826 0 0	..
Anantapur	Do.	94,415 14 5	5,92,899 10 1	6,87,315 8 6	3,51,656 1 3 * 45 0 0	3,35,614 7 3
Kurnool, East	Do.	1,375 6 0	71,103 12 1	72,479 2 1	67,819 3 6 * 20 0 0	4,639 14 7
Do. South	Do.	2,970 12 2	1,24,563 10 3	1,27,534 6 5	1,24,257 4 7 * 66 10 8	3,210 7 2
Do. West	Do.	41,420 13 0	1,67,149 15 10	2,08,570 12 10	1,75,459 15 1 * 405 0 0	32,705 13 9
Cuddapah, North	Do.	24,025 12 0	70,726 5 10	94,752 1 10	87,691 5 10	7,060 12 0
Do. South	Do.	52,244 5 6	97,797 11 0	1,50,042 0 6	95,052 12 7	54,989 3 11
	Total ..	2,16,452 15 1	11,25,067 1 1	13,41,520 0 2	9,02,762 10 10 * 536 10 8	† 4,38,220 10 8

Fourth Circle.						
Direction	Timber and other forest produce ..	..	2,217 0 0	2,217 0 0	2,217 0 0	..
Chittoor	Do.	746 7 9	97,397 0 3	98,143 8 0	97,391 0 0	752 8 0
Vellore	Do.	18,724 5 3	3,94,219 8 9	4,12,943 14 0	4,11,970 0 0	973 14 0
Salem, North	Do.	106 10 0	5,59,859 6 0	5,59,966 0 0	5,59,966 0 0	..
Do. Central	Do.	7,766 6 3	1,95,451 0 3	2,03,217 6 6	2,02,515 0 0	702 6 6
Do. South	Do.	671 14 0	1,39,646 2 0	1,40,318 0 0	1,40,318 0 0	..
	Total ..	28,015 11 3	13,88,790 1 3	14,16,805 12 6	14,14,377 0 0	2,428 12 6
Fifth Circle.						
Direction	Timber and other forest produce ..	..	116 15 0 39 1 0	116 15 0 39 1 0	116 15 0 39 1 0	..
Kollegal	Do.	2,812 8 0	1,26,795 5 2	1,29,607 13 2	1,26,777 5 2	2,812 8 0 (a) 18 0 0
Coimbatore, North	Do.	23,469 5 9	3,60,078 1 8	3,83,547 7 5	3,69,629 8 9	2,276 8 0 (b) 11,641 6 8
Do. South	Do.	8,939 0 5	1,05,608 6 6	1,14,547 6 11	99,386 10 11	15,160 12 0
Madura	Do.	76,814 14 1	2,21,609 5 9	2,98,424 3 10	2,19,916 5 1 (c) 1,151 4 11	77,356 9 10
Tinnevelly	Do.	4,685 13 0	1,67,505 10 8	1,72,191 7 8	1,71,031 13 0	1,159 10 8
Tanjore	Do.	..	15,529 12 6	15,529 12 6	15,529 12 6	..
	Total ..	1,16,721 9 3	9,97,282 10 3	11,14,004 3 6	10,03,578 12 4	(d) 1,10,425 7 2
South Coimbatore	Timber and other forest produce (commercial) ..	67,419 5 0	2,74,724 9 0	3,42,143 14 0	3,33,251 8 4	8,892 5 8
	Total ..	1,84,140 14 3	12,72,007 3 3	14,56,148 1 6	13,36,830 4 8	1,19,317 12 10

Note for First Circle.
(a) Of this Rs. 32,634-4-0 falls due after 31st March 1928.
* Excludes Rs. 39,569 revenue from the Parlakimedi Maliahs.
,, Rs. 8,065 revenue from the Golgonda Agency.
† Written off.

Note for Second Circle.
† Out of this Rs. 4,03,449-8-3 falls due after 31st March 1928.
* Written off from the accounts.

Note for Fifth Circle.
(a) Reported to be irrecoverable.
(b) Represents value of deficits.
(c) Written off the accounts.
(d) Of this Rs. 6,625-13-2 fell due within the year and the appeal against a contractor in Madura for payment of Rs. 10,990 is pending disposal in the High Court, Madras.

Revenue received and outstandings on account of revenue during the year 1927–28—*cont.*

District.	Particulars.	Outstandings at commencement of the year.	Value of sales and other revenue during the year.	Total.	Amount realized during the year.	Balance due to the department at the end of the year.
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Sixth Circle.						
Mangalore, North	Timber and other forest produce ..	25,825 0 0	1,09,645 2 11	1,35,470 2 11	1,10,808 0 0	24,662 2 11
Do. South	Do.	25,720 12 0	60,780 1 0	86,500 13 0	81,471 0 0 (a) 97 8 0	4,932 5 0
Wynad	Do.	59,894 11 8	1,77,814 13 4	2,37,709 9 0	2,10,074 0 0 (a) 354 13 0	27,280 12 0
The Nilgiris	Do.	23,996 11 8	1,20,149 5 2	1,44,146 0 10	1,17,367 0 0	26,779 0 10
Palghat	Do.	35,911 12 0	84,820 14 0	1,20,732 10 0	86,547 0 0	34,185 10 0
Direction	Do.	..	531 0 0	531 0 0	531 0 0	..
	Total ..	1,71,348 15 4	5,53,741 4 5	7,25,090 3 9	6,07,250 5 0	(b) 1,17,839 14 9
Forest Utilization Division	Timber and other forest produce ..	..	2,36,409 13 3	2,36,409 13 3	1,28,684 15 0	1,07,724 14 3
Parlakimedi Maliahs	Timber and other forest produce ..	..	39,573 12 5	39,573 12 5	39,573 12 5	..
	Grand total, Presidency ..	6,21,541 7 6	54,59,662 7 6	60,81,203 15 0	52,42,441 10 7	8,38,762 4 5

Note for Sixth Circle. (a) Written off or removed from demand owing to cancellation of sales.
(b) Out of Rs. 1,17,839-14-9, Rs. 15,862-11-8 was due before 31st March 1928.

Note.—Does not include Nilambur valley forests commercial concern.

ANNUAL FORM No. 42.

Forest Department, Madras Presidency.

Financial results for the year 1927-28.

District.	Timber and other produce removed from the forests by Government agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
Fi st Circle.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjām ..	84,948	1,63,469	85,394	72,383	38,687	1,70,342	2,74,539
Vizagapatam ..	3,141	2,372	58,206	45,031	6,994	61,347	54,397
Gōdāvari, Upper ..	45,237	28,032	35,419	42,470	33,253	80,656	1,03,755
Do. Lower ..	571	9,637	2,12,907	95,748	18,707	2,13,478	1,24,092
Guntūr	5,764	14,328	1,75,022	40,389	32,818	1,80,786	87,535
Nellore	8,115	17,855	1,03,661	67,088	15,626	1,11,776	1,00,569
Total ..	1,47,776	2,35,693	6,70,609	3,63,109	1,46,085	8,18,385 (*a*) — 5,960	(*b*) 7,44,887 + 102
Second Circle.							
Anantapur	1,530	52	3,49,353	67,811	25,519	3,50,883	93,382
Kurnool, East ..	14,507	4,332	53,376	59,009	23,233	67,883	86,574
Do. South ..	22,078	9,285	1,02,005	74,724	28,621	1,24,083	1,12,630
Do. West ..	35,629	8,745	1,39,631	80,600	27,846	1,75,260	1,17,191
Cuddapah, North ..	374	825	87,036	73,256	28,773	87,410	1,02,854
Do. South ..	4,224	654	90,845	74,683	29,360	95,069	1,04,697
Total ..	78,342	23,893	8,22,246	4,30,083	1,63,352	9,00,588	6,17,328
Fourth Circle.							
Chittoor	5,342	1,974	92,049	67,592	34,818	97,391	1,04,384
Vellore	1,40,500	14,745	2,71,470	1,25,454	25,435	4,11,970	1,65,634
North Salem ..	4,93,330	36,915	66,636	56,159	20,108	5,59,966	1,13,182
Central Do. ..	26,550	15,448	1,75,965	78,048	12,411	2,02,515	1,05,907
South Do. ..	33,542	4,954	1,06,776	67,526	9,618	1,40,318	82,098
Total ..	6,99,264	74,036	7,12,896	3,94,779	1,02,390	(*a*) 14,12,160 (*b*) — 23,450	5,71,205
Fifth Circle.							
Kollegal ..	54,000	4,980	72,809	63,053	13,627	1,26,809	81,660
Coimbatore, North ..	2,40,919	22,212	1,28,742	74,300	20,699	3,69,661	1,17,211
Do. South ..	7,606	53,621	91,812	44,928	29,565	99,418	1,28,114
Madura ..	7,148	4,743	2,12,800	1,08,983	29,597	2,19,948	1,43,323
Tinnevelly ..	3,682	4,835	1,67,381	78,934	17,584	1,71,063	1,01,353
Tanjore ..	8	..	15,522	1,323	156	15,530	1,479
Total ..	3,13,363	90,391	6,89,066	3,71,521	1,11,228	10,02,429	5,73,140

Note for the First Circle.—
(*a*) Refunds.
(*b*) Excludes Rs. 102 under Suspense—Works advances—Voted.

Note for the Fourth Circle.—
(*a*) Excludes Rs. 2,217 being sandalwood revenue of Rs. 2,200 realized for other circles (Tinnevelly Rs. 1,650, Anantapur Rs. 44 and South Cuddapah Rs. 506) and miscellaneous revenue of Direction office from other sources Rs. 17.
(*b*) Refunds made by District Forest Officers.

Financial results for the year 1927-28—*cont.*

District.	Timber and other produce removed from the forests by Government agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
Sixth Circle.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Mangalore, North ..	47,678	49,132	63,130	46,890	19,195	1,10,808	1,15,217
Do. South ..	44,917	73,047	36,554	25,281	36,318	81,471	1,34,646
Wynaad	1,67,732	1,60,482	39,509	24,009	60,610	2,07,241	2,45,101
The Nilgiris	88,032	89,310	32,699	33,462	25,786	1,20,731	1,48,558
Palghat	1,369	1,303	85,178	49,098	39,364	86,547	89,765
Inspector of Live-stock	..	8,617	..	..	..	..	8,617
Total ..	3,49,728	3,81,891	2,57,070	1,78,740	1,81,273	6,06,798	7,41,904
Deduct refunds ..	..	..	..	..	..	2,955	..
Net	..	..	..	..	..	6,03,843	..
Forest Engineering Branch.							
Forest Engineer, Madras	..	2,21,830	4,843	..	..	4,843	2,21,830
Logging Engineer, Ootacamund ..	64	1,04,930	262	..	..	326	1,04,930
Utilization Division, Madras	1,28,631	95,861	54	..	..	1,28,685	95,861
Saw Mills and Extraction Division, Olavakot	2,604	1,09,413	5,076	..	..	7,680	1,09,413
Chief Forest Engineer, Madras	..	59,893	30	..	..	30	59,893
Forest Economist, Madras	..	25,747	..	..	..	..	25,747
Chenat Nair Exploitation Division, Olavakot	..	*2,10,813	..	..	..	..	* 2,10,813
Total ..	1,31,299	8,28,507	10,265	..	..	1,41,564	8,28,507

Note for the Sixth Circle.—Excludes Nilambur, a commercial concern.

Wynaad and South Mangalore.—Excludes amounts adjusted in the accounts of the Forest Utilization Officer and Forest Engineer in charge of saw mills, for timber supplied to two saw mills and two sale depots.

* Includes Rs. 1,50,000 allotted to the Chenat Nair Exploitation Division, Olavakot as working capital.

Financial results for the year 1927–28—*cont.*

District.	Timber and other produce removed from the forests by Government agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges	Receipts.	Charges.	Charges.	Receipts.	Charges.
	RS.	RS.	RS	RS.	RS.	RS.	RS.
Parlakimedi Maliahs Forest Division.							
Parlakimedi maliahs.	4,483	5,479	35,089	14,657	18,034	39,572	38,170
Total ..	..	..	..	..	..	49,21,496	41,15,243
Deduct Refunds ..	..	..	..	..	..	32,365	..
						48,89,131	41,15,243
Add—							
Loss in Government commercial undertakings	..	..	..	..	..	..	1,55,178
Revenue and expenditure of Nilambur Division ..	..	..	..	..	..	1,59,789	43,020
Forest College ..	..	..	..	..	..	69,617	1,29,979
Working Plans Circle	..	..	..	..	..	990	1,02,697
Chief Conservator.	..	..	..	..	..	276	1,46,124
Forest Research Officer	..	..	..	..	..	..	32,396
Chenchu Officer ..	..	..	..	..	..	..	27,848
Expenditure in England ..	..	..	..	..	..	..	1,45,747
	..	..	..	..	..	(*a*) 567 (*b*) 8,064	(*b*) 7,479 (*c*) 6,893
Grand Total ..	..	..	..	..	..	51,28,434	49,12,604

(*a*) Includes revenue from sandalwood relating to South Cuddapah (Rs. 506) and Anantapur (Rs. 44) collected in the Fourth Circle and Rs. 17 collected in the Fourth Circle Conservator's office under VIII. e. Other sources.

(*b*) Adjusted with reference to the Accountant-General's actuals and includes figures for the Agency tracts for which the Conservator's figures are not available.

(*c*) Expenditure incurred in the Sixth Circle on account of other circles and the Engineering Branch as per details at the foot of Form 39.

ANNUAL FORM No. 43.

Forest Department, Madras Presidency.

PART I.

Statement of live-stock (1) elephants and (2) other live-stock during 1927–28.

District.	On hand at the commencement of the year. Number.	On hand at the commencement of the year. Value.	Number received during the year.	Number disposed of during the year.	On hand at the end of the year. Number.	On hand at the end of the year. Value.	Total expenditure on maintenance during the year.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(1) ELEPHANTS.		RS.				RS.	RS. A. P.
First Circle.							
Godavari, Upper..	..	..	1	..	1	..	.. (a)
Do. Lower..	..	..	1	..	1	2,500	..
Total ..	..	..	2	..	2	2,500	..
Second Circle							
Kurnool, West .	2	4,000	..	..	2	4,000	(b) 1,159 8 0
	..	..	..	..	..	..	(c) 920 10 0
Total ..	2	4,000	..	..	2	4,000	2,080 2 0
Fourth Circle—Nil.							
Fifth Circle.							
Coimbatore, South.	22	74,550	6	3	25	69,300	30,517 11 9
Sixth Circle.							
Mangalore, North.	5	10,500	..	1	4	8,900	4,838 13 7
Do. South	6	19,750	2	4	4	12,500	6,458 3 9
Wynaad	31	60,800	17	16	32	70,250	31,971 14 8
Nilambur	32	1,02,000	6	4	34	91,800	44,475 5 11
Nilgiris	8	19,820	7	6	9	20,300	14,276 12 0
Total ..	82	2,12,120	32	31	83	2,03,750	1,02,021 1 11
Grand Total, Presidency.	106	2,90,670	40	34	112	2,79,550	4,34,613 15 8
(2) OTHER LIVE-STOCK.							
First Circle.							
Ganjam	18 buffaloes	685	..	3	15	(d) 960	2,166 0 0
Nellore	1 buffalo.	36	..	..	1	(d) 40	23 0 0
Total ..	19	721	..	3	16	1,000	2,189 0 0
Second Circle.							
Buffaloes.							
Anantapur ..	2	75	..	..	2	75	7 12 0
Kurnool, South ..	2	85	..	..	2	85	120 12 0
Total ..	4	160	..	..	4	160	128 8 0

(a) Cost incurred by the Revenue Department.
(b) Increase due to given rice diet.
(c) Pay of establishment.
(d) The original value has been entered without allowing any amount for depreciation.

Statement of live-stock (1) elephants and (2) other live-stock during 1927-28—*cont.*

District.	On hand at the commencement of the year.		Number received during the year.	Number disposed of during the year.	On hand at the end of the year.		Total expenditure on maintenance during the year.
	Number.	Value.			Number.	Value.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		RS.				RS.	RS. A. P.
(2) OTHER LIVE-STOCK—*cont.*							
Fourth Circle.							
Chittoor	1 bullock.	45	..	..	1	40	28 14 0
Fifth Circle—Nil.							
Sixth Circle.							
Mangalore, South.	6	395	6	..	12	1,547	4,910 4 3
Wynaad	7	1,082	3	..	10	1,676	4,300 7 10
Nilambur ..	19	635	14	7	26	1,995	11,621 5 10
Nilgiris	8	745	..	2	6	485	2,806 4 0
Total ..	40 (*a*)	2,887	23 (*c*)	9 (*d*)	54 (*b*)	5,703	23,638 5 11
Grand Total—Presidency.	64	3,813	23	12	75	6,903	25,984 11 11

(*a*) Fourteen bullocks and twenty-six buffaloes.
(*b*) Forty-two buffaloes and twelve bullocks.
(*c*) Buffaloes purchased from Dharwar.
(*d*) Five buffaloes and one bullock were sold and two buffaloes and one bullock died.

Part II.

Statement of elephants gone off the list during the year 1927–28.

District. (1)	Names. (2)	When purchased or otherwise obtained by Government. (3)	Age. (4)	How disposed of. (5)
			YRS.	
		First Circle—Nil.		
		Second Circle—Nil.		
		Fourth Circle—Nil.		
		Fifth Circle.		
South Coimbatore.	Sundari	Captured on 31st August 1926 ..	36	Sold on 6th January 1928.
	Leela	Do. 7th August 1927 ..	30	Died on 8th October 1927.
	Cow elephant (born to Kaliani).	Born on 16th August 1927 ..	..	Died on 22nd August 1927.
		Sixth Circle.		
Mangalore, North.	Emily	Captured on 22nd June 1899 ..	48	Transferred to South Mangalore.
Mangalore, South.	Chathan	Do. 28th April 1923 ..	27	Died on 1st September 1927.
	Kamala	Do. 3rd February 1912..	34	Died on 17th May 1927.
	Kunthi	Do. 2nd February 1924.	43	Destroyed on 29th December 1927.
	Dara	Do. 23rd February 1926.	9	Sold.
Wynaad.	Nethravati ..	Do. 21st February 1905.	27	Transferred to South Mangalore.
	Ayyappan ..	Do. 12th February 1923.	13	Bolted in June 1927.
	Dod Arjuna ..	Do. 21st January 1925.	15	Killed by elephant sirdar.
	Cheruchi ..	Born to Isabella on 22nd November 1926.	1	Sold.
	Rama	Captured on 7th February 1927.	5	Died.
	Lakshmana ..	Do. 19th February 1927.	4	Sold.
	Anasuya	Do. 1st March 1927 ..	4	Do.
	Kavera	Do. 11th March 1927 ..	13	Do.
	Seetha	Do. 3rd April 1927 ..	3	Do.
	Sathyabhama ..	Do. 10th April 1927 ..	2	Do.
	Mumtaz	Do. 16th April 1927 ..	8	Do.
	Zohera	Do. 7th May 1927 ..	5	Do.
	Gopal	Do. do.	5	Do.
	Balakrishna ..	Born to Mothima on 19th August 1927.	..	Do.
	Madhavi ..	Born to Malathi on 3rd September 1927.	..	Do.
	Veeraraj ..	Captured on 22nd February 1928.	..	Shot on 17th March 1928.
Nilambur.	Ponachi	Do. 22nd April 1918 ..	39	Sold.
	Ganapathi ..	Do. 5th January 1926 ..	7	Transferred to Wynaad.
	Velayuthan ..	Do. 25th April 1926 ..	11	Do.
	Abdul Ali ..	Born on 8th August 1923 ..	5	Do.
The Nilgiris.	Lakshmi	Captured on 5th November 1926.	18	Died on 2nd May 1927.
	Yesoda	Do. 22nd May 1927 ..	6	Sold.
	Kuttikrishnan ..	Do. do. ..	6	Do.
	Kutti	Do. 27th May 1927 ..	..	Died on 14th June 1927.
	Lakshmana ..	Born on 7th August 1927 ..	..	Died on 27th August 1927.
	Chandragupta ..	Captured on 12th January 1928.	..	Died on 20th January 1928.

ANNUAL FORM NO. 44.

Forest Department, Madras Presidency.

Abstract showing the value of stores, tools and plant for 1927–28

ANNUAL FORM No. 44.

Forest Department, Madras Presidency.

Abstract showing the value of stores, tools and plant for 1927–28

District.	Buildings.				Stores.				Total.				Difference in value.	
	On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.		In favour of the year.	Against the year.
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Value.	Value.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
First Circle.		RS.		RS.		RS.		RS.		RS.		RS.	RS.	RS.
Direction	..	..	..	..	295	4,514	300	5,206	295	4,514	300	5,206	692	..
Ganjam	121	70,006	124	74,512	6,564	18,186	6,504	17,133	6,685	88,192	6,628	91,645	3,453	..
Vizagapatam	47	12,928	46	13,456	1,646	5,993	1,893	8,080	1,693	18,921	1,939	21,536	2,615	..
Gōdāvari, Upper	113	56,453	114	58,746	6,032	18,272	6,167	18,962	6,145	74,725	6,281	77,708	2,983	..
Do. Lower	178	92,665	178	92,739	8,196	10,944	8,211	11,256	8,374	1,03,609	8,389	1,03,995	386	..
Guntūr	33	42,030	32	50,860	5,626	14,074	5,585	14,914	5,659	56,104	5,617	65,774	9,670	..
Nellore	73	37,258	69	32,466	34,857	30,037	60,839	34,197	34,930	67,295	60,908	66,963	..	332
Total ..	565	3,11,340	563	3,22,779	63,216	1,02,020	89,499	1,10,048	63,781	4,13,360	90,062	4,32,827	19,467	..
Second Circle.														
Direction	..	..	..	..	358	6,036	370	6,438	358	6,036	370	6,438	402	..
Anantapur	26	40,289	26	40,289	5,706	15,836	5,442	14,231	5,732	56,125	5,468	54,520	..	1,605
Kurnool, East	81	72,695	89	72,271	4,698	12,879	4,796	13,567	4,779	85,574	4,885	85,838	264	..
Do. South	72	48,813	65	41,897	2,450	15,190	2,494	15,268	2,522	64,003	2,559	57,165	..	6,838
Do. West	77	1,05,605	88	1,17,678	7,582	24,841	7,874	27,615	7,659	1,30,446	7,962	1,45,293	14,847	..
Cuddapah, North	73	33,093	74	33,066	3,749	8,774	3,783	9,393	3,822	41,867	3,857	42,459	592	..
Do. South	78	(a)76,320	83	80,309	3,246	12,350	3,364	12,884	3,324	88,670	3,447	93,193	4,523	..
Total ..	407	3,76,815	425	3,85,510	27,789	95,906	28,123	99,396	28,196	4,72,721	28,548	4,84,906	12,185	..

Fourth Circle.														
Direction	..	..	..	..	209	2,873	216	3,175	209	2,873	216	3,175	302	..
Chittoor	66	48,299	53	60,601	4,131	11,142	4,737	12,583	4,197	59,441	4,790	73,184	13,743	..
Vellore	(b)97	(b)88,141	103	96,791	(b)7,953	(b)18,662	7,832	18,915	8,050	1,06,803	7,935	1,15,706	8,903	..
Salem, North	40	43,902	43	46,529	3,269	21,284	3,415	25,088	3,309	65,186	3,458	71,617	6,431	..
Do. Central	94	50,026	97	58,344	4,804	21,081	4,737	24,165	4,898	71,107	4,834	82,509	11,402	..
Do. South	68	44,346	55	43,358	4,644	10,069	3,582	9,792	4,712	54,415	3,637	53,150	..	1,265
Vernacular Training School.	..	..	..	..	524	2,222	614	1,392	524	2,222	614	1,392	..	830
Total ..	365	2,74,714	351	3,05,623	25,534	87,333	25,133	95,110	25,899	3,62,047	25,484	4,00,733	38,686	..
Fifth Circle.														
Direction	1	38	1	36	235	2,693	230	2,599	236	2,731	231	2,635	..	96
Kollegal	55	44,988	56	45,837	2,442	6,460	2,708	8,210	2,497	51,448	2,764	54,047	2,599	..
Coimbatore, North	83	65,740	80	65,577	1,712	8,213	1,633	8,697	1,795	73,953	1,713	74,274	321	..
Do. South ..	92	1,16,345	63	57,213	2,897	6,338	3,977	14,074	2,989	1,22,683	4,040	71,287	..	51,396
Madura	131	1,13,108	130	1,15,631	4,030	7,305	3,922	8,265	4,161	1,20,413	4,052	1,23,896	3,483	..
Tinnevelly	128	73,946	128	73,946	3,359	8,031	3,335	8,172	3,487	81,977	3,463	82,118	141	..
Vernacular Training School.	..	..	..	..	809	520	629	488	809	520	629	485	..	32
Total ..	490	4,14,165	458	3,58,240	15,484	39,560	16,434	50,505	15,974	4,53,725	16,892	4,08,745	..	44,980
Sixth Circle.														
Direction	..	..	..	..	(c) 488	3,737	(c) 455	4,682	488	3,737	455	4,682	945	..
Mangalore, North	78	51,089	80	50,082	1,029	6,761	1,013	6,974	1,107	57,850	1,093	57,056	..	794
Do. South	63	39,319	64	43,633	(d)1,346	(d) 9,708	1,468	11,155	1,409	49,027	1,532	54,788	5,761	..
Wynad	107	1,03,659	106	1,06,008	3,437	14,503	2,983	19,220	3,544	1,18,162	3,089	1,25,228	7,066	..
Nilambur	36	1,18,943 (e) 131	36	1,19,074	1,843	12,021	1,780	10,289	1,879	1,31,095	1,816	1,29,363	..	1,732
The Nilgiris	90	79,094	84	78,974	2,078	13,137	2,048	12,416	2,168	92,231	2,132	91,390	..	841
Palghat	67	90,975	70	95,570	1,590	8,383	1,601	8,304	1,657	99,358	1,671	1,03,874	4,516	..
Total ..	441	4,83,210	440	4,93,341	11,811	68,250	11,348	73,040	12,252	5,51,460	11,788	5,66,381	14,921	..
Total, Circles ..	2,268	18,60,244	2,237	18,65,493	143,834	3,93,069	170,537	4,28,099	146,102	22,53,313	172,774	22,93,592	40,278	..

Note for Second Circle.—(a) The District Forest Officer states that Rs. 87,601 noted in column 5 of last year's return is a mistake due to error in totalling.

Note for Fourth Circle.—(b) Furnished by the District Forest Officer as correct figures.

Note for Sixth Circle.
(c) Includes stores with the Inspector of Live-stock.
(d) The difference as compared with the previous year's return is due to the elimination of the number and value of Live-stock.
(e) Cost of timber utilized during 1925–26 is now added.

Abstract showing the value of stores, tools and plant for 1927-28—*cont.*

District.	Buildings.				Stores.				Total.				Difference in value.	
	On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.		In favour of the year.	Against the year.
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Value.	Value.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
		RS.		RS.		RS.		RS.		RS.		RS.	RS.	RS.
Chief Forest Engineer.														
Forest Engineer, Madras ..	..	..	..	..	979	14,233	689	12,831	979	14,233	689	12,831	..	1,402
Forest Economist	..	..	..	..	16	634	18	713	16	634	18	713	79	..
Chief Forest Engineer's office.	..	..	..	..	..	4,192	..	4,306	..	4,192	..	4,306	114	..
Logging Engineer	..	..	..	..	..	1,736	..	2,761	..	1,736	..	2,761	1,025	..
Forest Utilization Officer ..	..	..	..	..	..	1,873	..	1,817	..	1,873	.	1,817	..	56
Total ..	..	..	..	..	..	22,668	..	22,428	..	22,668	..	22,428	..	240
Forest College	..	..	..	..	7,222	87,680	7,182	82,704	7.222	87,680	7,182	82,704	..	4,976
Parlakimedi Maliahs ..	..	..	..	..	687	1,597	787	1,516	687	1,597	787	1,516	..	81
Grand Total, Presidency ..	..	18,60,244	..	18,65,493	..	5,05,014	..	5,34,747	..	23,65,258	..	24,00,240	34,982	..

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